



CALL NO. 300

CONTRACT ID. 121027

PERRY COUNTY

FED/STATE PROJECT NUMBER FD04 SPP 097 0080 008-016

DESCRIPTION HAZARD-WATERGAP ROAD (KY 80)

WORK TYPE ASPHALT SURFACE WITH GRADE & DRAIN

PRIMARY COMPLETION DATE 6/1/2013

LETTING DATE: August 17, 2012

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME August 17, 2012. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

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PART I
SCOPE OF WORK

CONTRACT ID - 121027

ADMINISTRATIVE DISTRICT - 10

PROJECT(S) IDENTIFICATION AND DESCRIPTION:

COUNTY - PERRYPCN - DE09700801227

FD04 SPP 097 0080 008-016

HAZARD-WATERGAP ROAD (KY 80) KY 80 IMPROVEMENTS AND SCHOOL ACCESS ROAD. ASPHALT SURFACE

WITH GRADE & DRAIN. SYP NO. 10-00161.00.

GEOGRAPHIC COORDINATES LATITUDE 37^18'07" LONGITUDE 83^11'42"

COMPLETION DATE(S):

COMPLETION DATE - June 01, 2013

APPLIES TO ENTIRE CONTRACT

CONTRACT NOTES

PROPOSAL ADDENDA

All addenda to this proposal must be applied when calculating bid and certified in the bid packet submitted to the Kentucky Department of Highways. Failure to use the correct and most recent addenda may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's Expedite Bidding Program available on the Internet web site of the Department of Highways, Division of Construction Procurement. (www.transportation.ky.gov/contract)

The Bidder must download the bid file located on the Bid Express website (www.bidx.com) to prepare a bid packet for submission to the Department. The bidder must submit electronically using Bid Express.

JOINT VENTURE BIDDING

Joint venture bidding is permissible. All companies in the joint venture must be prequalified in one of the work types in the Qualifications for Bidders for the project. The bidders must get a vendor ID for the joint venture from the Division of Construction Procurement and register the joint venture as a bidder on the project. Also, the joint venture must obtain a digital ID from Bid Express to submit a bid. A joint bid bond of 5% may be submitted for both companies or each company may submit a separate bond of 5%.

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor is advised that the Underground Facility Damage Protection Act of 1994, became law January 1, 1995. It is the contractor's responsibility to determine the impact of the act regarding this project, and take all steps necessary to be in compliance with the provision of the act.

SPECIAL NOTE FOR PIPE INSPECTION

Contrary to Section 701.03.08 of the 2012 Standard Specifications for Road and Bridge Construction and Kentucky Method 64-114, certification by the Kentucky Transportation Center for prequalified Contractors to perform laser/video inspection is not required on this contract. It will continue to be a requirement for the Contractor performing any laser/video pipe inspection to be prequalified for this specialized item with the Kentucky Transportation Cabinet-Division of Construction Procurement.

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

Pursuant to KRS 176.085(1)(b), an agency, department, office, or political subdivision of the Commonwealth of Kentucky shall not award a state contract to a person that is a foreign entity required by [KRS 14A.9-010](#) to obtain a certificate of authority to transact business in the Commonwealth (“certificate”) from the Secretary of State under [KRS 14A.9-030](#) unless the person produces the certificate within fourteen (14) days of the bid or proposal opening. If the foreign entity is not required to obtain a certificate as provided in [KRS 14A.9-010](#), the foreign entity should identify the applicable exception. Foreign entity is defined within [KRS 14A.1-070](#).

For all foreign entities required to obtain a certificate of authority to transact business in the Commonwealth, if a copy of the certificate is not received by the contracting agency within the time frame identified above, the foreign entity’s solicitation response shall be deemed non-responsive or the awarded contract shall be cancelled.

Businesses can register with the Secretary of State at <https://secure.kentucky.gov/sos/ftbr/welcome.aspx>.

SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

Questions about projects during the advertisement should be submitted in writing to the Division of Construction Procurement. This may be done by fax (502) 564-7299 or email to kytc.projectquestions@ky.gov. The Department will attempt to answer all submitted questions. The Department reserves the right not to answer if the question is not pertinent or does not aid in clarifying the project intent.

The deadline for posting answers will be 3:00 pm Eastern Daylight Time, the day preceding the Letting. Questions may be submitted until this deadline with the understanding that the later a question is submitted, the less likely an answer will be able to be provided.

The questions and answers will be posted for each Letting under the heading “Questions & Answers” on the Construction Procurement website (www.transportation.ky.gov/contract). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

ACCESS TO RECORDS

The contractor, as defined in KRS 45A.030 (9) agrees that the contracting agency, the Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this

contract for the purpose of financial audit or program review. Records and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the contract and shall be exempt from disclosure as provided in KRS 61.878(1)(c). The contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884.

In the event of a dispute between the contractor and the contracting agency, Attorney General, or the Auditor of Public Accounts over documents that are eligible for production and review, the Finance and Administration Cabinet shall review the dispute and issue a determination, in accordance with Secretary's Order 11-004. (See attachment)

10/18/2011

SPECIAL NOTE FOR RECIPROCAL PREFERENCE

Reciprocal preference to be given by public agencies to resident bidders

By reference, KRS 45A.490 to 45A.494 are incorporated herein and in compliance regarding the bidders residency. Bidders who want to claim resident bidder status should complete the Affidavit for Claiming Resident Bidder Status along with their bid in the Expedite Bidding Program. Submittal of the Affidavit should be done along with the bid in Bid Express.

03/01/2011

ASPHALT MIXTURE

Unless otherwise noted, the Department estimates the rate of application for all asphalt mixtures to be 110 lbs/sy per inch of depth.

DGA BASE

Unless otherwise noted, the Department estimates the rate of application for DGA Base to be 115 lbs/sy per inch of depth.

DGA BASE FOR SHOULDERS

Unless otherwise noted, the Department estimates the rate of application for DGA Base for Shoulders to be 115 lbs/sy per inch of depth. The Department will not measure necessary grading and/or shaping of existing shoulders prior to placing of DGA Base, but shall be incidental to the Contract unit price per ton for DGA Base.

Accept payment at the Contract unit price per ton as full compensation for all labor, materials, equipment, and incidentals for grading and/or shaping of existing shoulders and furnishing, placing, and compacting the DGA Base.

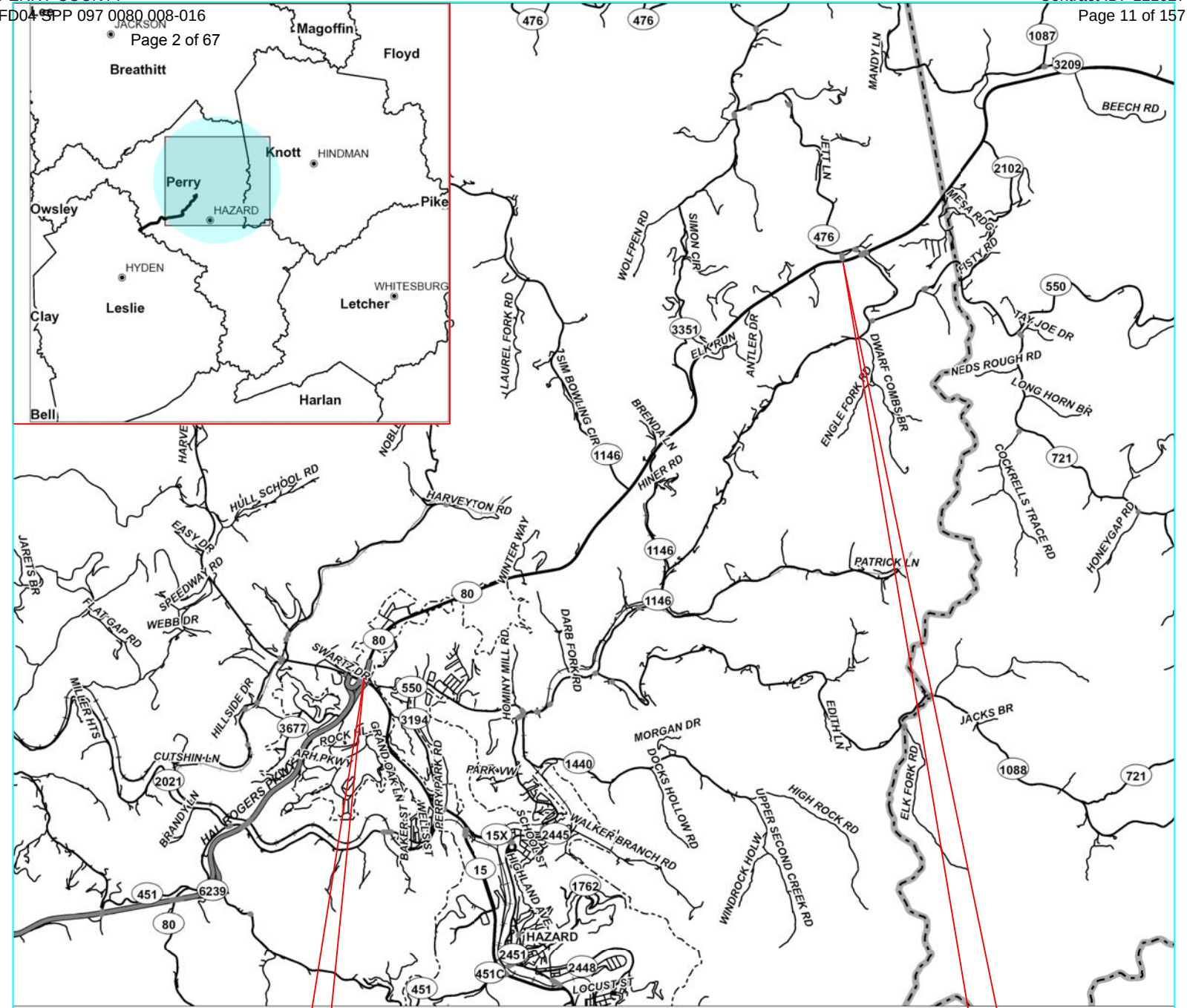
INCIDENTAL SURFACING

The Department has included in the quantities of asphalt mixtures established in the proposal estimated quantities required for resurfacing or surfacing mailbox turnouts, farm field entrances, residential and commercial entrances, curve widening, ramp gores and tapers, and road and street approaches, as applicable. Pave these areas to the limits as shown on Standard Drawing RPM-110-06 or as directed by the Engineer. In the event signal detectors are present in the intersecting streets or roads, pave the crossroads to the right of way limit or back of the signal detector, whichever is the farthest back of the mainline. Surface or resurface these areas as directed by the Engineer. The Department will not measure placing and compacting for separate payment but shall be incidental to the Contract unit price for the asphalt mixtures.

FUEL AND ASPHALT PAY ADJUSTMENT

The Department has included the Contract items Asphalt Adjustment and Fuel Adjustment for possible future payments at an established Contract unit price of \$1.00. The Department will calculate actual adjustment quantities after work is completed. If existing Contract amount is insufficient to pay all items on the contract with the adjustments, the Department will establish additional monies with a change order.

PERRY COUNTY, KY 80
HAZARD TO WATERGAP ROAD
ITEM NO. 10 – 161.00
KY 15 INTERCHANGE - KY 476 INTERSECTION
(M.P. 7.93 – M.P. 14.6)



ITEM # 10-161.00
PROJECT LOCATION

**UTILITY NOTES TO BE INCLUDED IN THE PROPOSAL
SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION**

**PERRY COUNTY
KY 80 (MP. 7.93-MP. 14.6)
KY 80 Rehabilitation Project
Item No. 10-161.00**

No utility companies have facilities to be relocated and/or adjusted on subject project.

There is no railroad involvement on the subject project.

COORDINATION WITH UTILITY FACILITY OWNERS

The Contractor will be responsible for contacting all utility facility owners on the subject project to have existing facilities located in the field. The Contractor will coordinate his activities with the utility facility owners to minimize and, where possible, avoid conflicts with utility facilities.

Where conflicts with utility facilities are unavoidable the Contractor will coordinate any necessary relocation work with the facility owner.

PROTECTION OF UTILITIES

The location of utilities provided in the contract document has been furnished by the facility owners and/or by reviewing record drawing and may not be accurate. It will be the roadway contractor's responsibility to locate utilities before excavating by calling the various utility owners and by examining any supplemental information supplied by the Cabinet. If necessary, the roadway contractor shall determine the exact location and elevation of utilities by hand digging to expose utilities before excavating in the area of a utility. The cost for repair and any other associated costs for any damage to utilities caused by the roadway contractor's operations shall be borne by the roadway contractor.

The utility owners information provided are for reference only. The roadway contractor is responsible to make any necessary contacts to verify the information listed below.

Perry County

Water and Sewer
City of Hazard
P.O. Box 420
Hazard, Kentucky 41702
Carlos Combs- (606) 436-3171

Electric
Kentucky Power/AEP
1400 East Main Street,
Hazard, Kentucky 41701
Doug Christian (606) 438-2627 mobile

Glen Combs (606) 436-1321 Office

Telephone
Windstream
101 Winterberry Drive
Hazard, Kentucky 41701
Gary Lady (606) 439-1082

Television
TV Service, Inc.
P.O. Box 1410
Hindman, KY 41822
Kenny Salmons
Jamie Thomas
(606) 785-3450

Gas
City of Hazard
P.O. Box 420
Hazard, Kentucky 41702
Carlos Combs (606) 436-3171

BEFORE-U-DIG (BUD)

The Contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The Contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The Contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the Contractor to contact the County Court Clerk to determine what utility companies have facilities in the project area.

GENERAL SUMMARY							
ITEM CODE	ITEM	UNIT	SECTION 1	SECTION 2	SECTION 3	SCHOOL ENT.	PROJECT TOTAL
441	ENTRANCE PIPE 18 IN	L.F.		50.00		137.00	187.00
443	ENTRANCE PIPE 24 IN	L.F.		110.00			110.00
982	SLOTTED DRAIN PIPE- 18 IN	L.F.				254.00	254.00
1001	PERFORATED PIPE - 6 INCH	L.F.		39604.00			39604.00
1011	NON-PERFORATED PIPE - 6 INCH	L.F.		770.00			770.00
1021	PERF PIPE HEADWALL TY 1 - 6IN	EACH		13.00			13.00
1029	PERF PIPE HEADWALL TY 3 - 6IN	EACH		17.00			17.00
1450	S & F BOX INLET-OUTLET 18 IN	EACH				1.00	1.00
1451	S & F BOX INLET-OUTLET 24 IN	EACH		2.00			2.00
1490	DROP BOX INLET TYPE 1	EACH		2.00			2.00
1511	DROP BOX INLET TYPE 5D	EACH				1.00	1.00
1581	DROP BOX INLET TYPE 16G	EACH				1.00	1.00
1690	FLUME TYPE 1	EACH		4.00			4.00
1691	FLUME TYPE 2	EACH	1.00	9.00			10.00
1821	LIP CURB AND GUTTER MOD. (8.75")	L.F.		9872.00			9872.00
1845	ISLAND INTEGRAL CURB	L.F.	1,312.50				1312.50
1891	ISLAND HEADER CURB TYPE 2	L.F.		4,469.00			4469.00
1982	DELINEATOR FOR GUARDRAIL-WHITE	EACH		90.00	40.00		130.00
1985	DELINEATOR FOR BARRIER - YELLOW	EACH		22.00			22.00
2003	RELOCATE TEMP. CONC. BARRIER	L.F.		330.00			330.00
2014	BARRICADE-TYPE III	EACH		8.00			8.00
2157	PAVED DITCH TYPE 1	SQ. YD.		557.14			557.14
2200	ROADWAY EXCAVATION (1)	CU. YD.				2,335.00	2335.00
2237	DITCHING	L.F.	1,955.00	26,400.00	13,305.00		41660.00
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	L.F.		7,600.00	2,225.00		9825.00
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH		7.00	3.00		10.00
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	1.00	3.00	3.00		7.00
2369	GUARDRAIL END TREATMENT TY. 2A	EACH		3.00			3.00
2381	REMOVE GUARDRAIL	L.F.		8,725.00	2,375.00		11100.00
2483	CHANNEL LINING CLASS II	TON		835.25		361.00	1196.25
2484	CHANNEL LINING CLASS III	TON	200.00	995.00		1,012.00	2207.00
2568	MOBILIZATION	L.S.					1.00
2569	DEMOBILIZATION	L.S.					1.00
2585	EDGE KEY	L.F.		172.00			172.00
2650	MAINTAIN & CONTROL TRAFFIC	L.S.					1.00
2653	LANE CLOSURE	EACH			4.00		4.00
2671	PORT. CHANGEABLE MESSAGE SIGN	EACH		2.00			2.00
2676	MOBILIZATION FOR MILL & TEXT.	L.S.					1.00
2696	SHOULDER RUMBLE STRIPS-SAWED	L.F.		28,000.00			28000.00
2704	SILT TRAP TYPE B	EACH		30.00			30.00
2705	SILT TRAP TYPE C	EACH		10.00			10.00

ITEM CODE	ITEM	UNIT	SECTION 1	SECTION 2	SECTION 3	SCHOOL ENT.	PROJECT TOTAL
2707	CLEAN SILT TRAP TYPE B	EACH		90.00			90.00
2708	CLEAN SILT TRAP TYPE C	EACH		30.00			30.00
2714	SHOULDERING	L.F.	2,012.50	26,400.00			28412.50
2726	STAKING	L.S.					1.00
2775	ARROW PANEL	EACH		2.00	2.00		4.00
2894	CRASH CUSHION TYPE VI-T (TEMPORARY)	EACH		2.00			2.00
2898	RELOCATE CRASH CUSHION	EACH		2.00			2.00
4830	LOOP WIRE	L.F.		520.00			520.00
4895	LOOP SAW SLOT AND FILL	L.F.		520.00			520.00
5950	EROSION CONTROL BLANKET	SQ. YD.				802.00	802.00
5952	TEMP MULCH	SQ. YD.	1,000.00	14500.00	7,000.00		22500.00
5985	SEEDING AND PROTECTION	SQ. YD.	1,000.00	14500.00	7,000.00		22500.00
5966	TOPDRESSING FERTILIZER	TON	0.05	0.75	0.36		1.16
6510	PAVE STRIPING-TEMP PAINT-4 IN	L.F.		79,200.00			79200.00
6514	PAVE STRIPING-PERM PAINT-4 IN	L.F.		63,000.00		7,920.00	70920.00
6568	PAVE. MARK.-THERMO STOP BAR 24"	L.F.				85.00	85.00
6574	PAVE. MARK.-THERMO CURV ARROW	EACH				31.00	31.00
6589	PAVEMENT MARKER TYPE V-MW	EACH		368.00			368.00
6591	PAVEMENT MARKER TYPE V-BY	EACH		530.00			530.00
6588	PAVE. MARKER TYPE IVA-BY (TEMP)	EACH		1,320.00			1320.00
8100	CONCRETE-CLASS A	CU. YD.		1.35			1.35
8150	STEEL REINFORCEMENT	LB		9.00			9.00
8500	APPROACH SLAB	SQ. YD.			60.00		60.00
20458ES403	CENTERLINE RUMBLE STRIPS	L.F.		28,000.00			28000.00
20471ES509	TEMP. CONCRETE MEDIAN BARRIER	L.F.		330.00			330.00
23074NN	ADJUST DRAINAGE STRUCTURE	EACH		14.00			14.00
23309EC	PAVEMENT REPLACEMENT	SQ. FT			1,500.00		1500.00
23623EC	REMOVE MOUNTABLE MEDIAN	SQ. YD.				3,132.00	3132.00
10020NS	FUEL ADJUSTMENT	DOLLAR					82339.00
10030NS	ASPHALT ADJUSTMENT	DOLLAR					135824.00

(1) 2,335 EXCAVATION
285 EMBANKMENT

PAVING AREA

[illegible]

PAVING SUMMARY

[illegible]

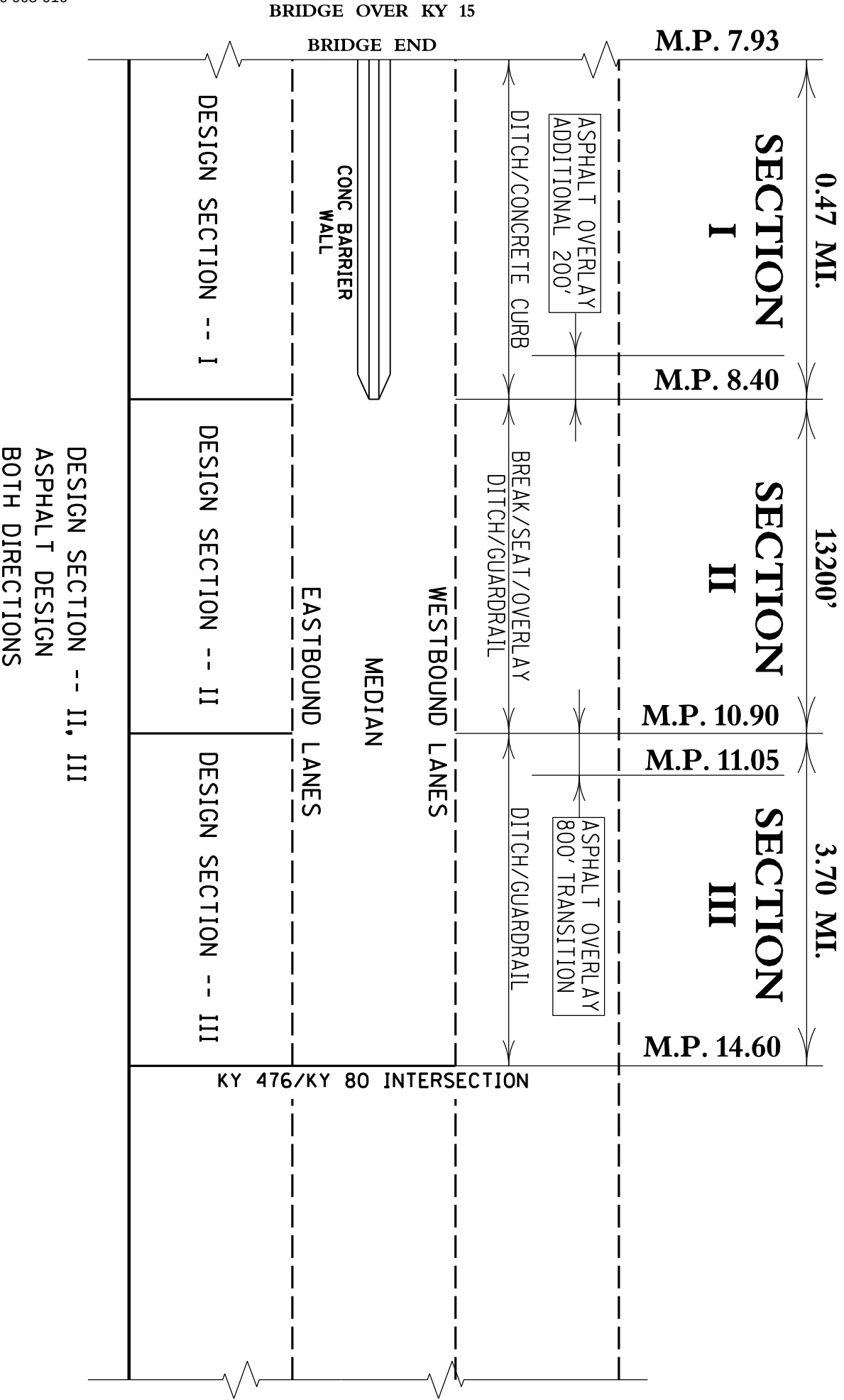
LONGITUDINAL EDGE DRAIN LOCATION		6" PERF PIPE
		(L.F.)
LEFT SHOULDER		
Sta. 3272+00 to Sta. 3295+00 (SHLD)		2300
Sta. 3298+00 to Sta. 3305+50 (SHLD)		750
Sta. 3307+50 to Sta. 3326+00 (SHLD)		1800
Sta. 3328+00 to Sta. 3335+00 (SHLD)		750
Sta. 3337+00 to Sta. 3343+00 (SHLD)		600
Sta. 3345+00 to Sta. 3366+50 (SHLD)		2150
Sta. 3368+50 to Sta. 3391+00 (SHLD)		2250
Sta. 3393+00 to Sta. 3395+20 (SHLD)		220
RIGHT SHOULDER		
Sta. 3272+00 to Sta. 3284+00 (SHLD)		1200
Sta. 3284+00 to Sta. 3295+00 (SHLD)		1100
Sta. 3298+00 to Sta. 3335+00 (SHLD)		3700
Sta. 3337+00 to Sta. 3351+50 (SHLD)		1450
Sta. 3353+50 to Sta. 3363+50 (SHLD)		1000
Sta. 3365+50 to Sta. 3395+20 (SHLD)		2970
MEDIAN (CUT/CURVE SECTIONS)		
LT. 3280+00 to 3292+00		1200
LT. 3295+00 to 3300+50		550
LT. 3307+50 to 3320+00		1250
LT. 3323+00 to 3335+00 (Included Curve 1)		1200
LT. 3343+50 to 3370+00 (Included Curve 2)		2650
LT. 3376+00 to 3390+00 (Included Curve 3)		1400
RT. 3280+00 to 3292+00		1200
RT. 3295+00 to 3300+50		550
RT. 3306+00 to 3320+00		1400
RT. 3323+00 to 3335+00 (Included Curve 1)		1200
RT. 3343+50 to 3370+00 (Included Curve 2)		2650
RT. 3376+00 to 3390+00 (Included Curve 3)		1400
SUM		38890
*QUANTITIES ON THIS SHEET HAVE BEEN CARRIED OVER AND INCLUDED IN THE GENERAL SUMMARY SHEET.		

HEADWALL OUTLET (1)	6" PERF PIPE	6" NON- PERF PIPE	CRUSHED AGGR. NO. 2	PERF. PIPE HEADWALL TYPE	REMARK
	L.F.	L.F.	TON	EACH	
LT. 3276+00 (SHLD)		25	1	Type 3, 6"	
RT. 3280+00 (SHLD)		23	1	Type 1, 6"	
LT. 3284+00 (MED & SHLD)	32	25	1	Type 3, 6"	
RT. 3284+00 (MED & SHLD)	32	23	1	Type 1, 6"	
LT. 3292+00 (MED & SHLD)	32	23	1	Type 1, 6"	
RT. 3292+00 (MED & SHLD)	32	23	1	Type 1, 6"	
LT. 3295+00 (MED & SHLD SAG)	29	23	1	Type 1, 6"	
RT. 3295+00 (MED & SHLD SAG)	29	23	1	Type 1, 6"	
LT. 3298+00 (SHLD)		25	1	Type 3, 6"	
RT. 3298+00 (SHLD)		23	1	Type 1, 6"	
RT. 3306+00 (MED & SHLD)	32	25	1	Type 3, 6"	
LT. 3307+50 (MED & SHLD)	32	25	1	Type 3, 6"	
LT. 3311+00 (MED & SHLD)	32	23	1	Type 1, 6"	
RT. 3311+00 (MED & SHLD)	32	25	1	Type 3, 6"	
LT. 3326+00 (MED & SHLD)	32	23			TIE TO D.B.I.
RT. 3326+00 (MED)	6				TIE TO D.B.I.
RT. 3326+00 (SHLD)		23	1	Type 1, 6"	
LT. 3335+00 (MED & SHLD)	32	23			TIE TO D.B.I.
RT. 3335+00 (MED)	6				TIE TO D.B.I.
RT. 3335+00 (SHLD)		25	1	Type 3, 6"	
LT. 3340+00 (SHLD SAG)		23	1	Type 1, 6"	
RT. 3340+00 (SHLD SAG)		23	1	Type 1, 6"	
LT. 3345+00 (SHLD)		25	1	Type 3, 6"	
RT. 3348+00 (SHLD)		23	1	Type 1, 6"	
LT. 3351+50 (MED & SHLD)	32				TIE TO D.B.I.
RT. 3351+50 (MED & SHLD)	32				TIE TO D.B.I.
LT. 3356+60 (SHLD)		25	1	Type 3, 6"	
LT. 3356+60 (MED)	6				TIE TO D.B.I.
RT. 3356+60 (MED & SHLD)	32				TIE TO D.B.I.
LT. 3360+00 (SHLD)		25	1	Type 3, 6"	
LT. 3360+00 (MED)	6				TIE TO D.B.I.
RT. 3360+00 (MED & SHLD)	32				TIE TO D.B.I.
LT. 3364+50 (SHLD)		25	1	Type 3, 6"	
LT. 3364+50 (MED)	6				TIE TO D.B.I.
RT. 3364+50 (MED & SHLD)	32				TIE TO D.B.I.
LT. 3368+50 (SHLD)		23	1	Type 1, 6"	
LT. 3380+00 (MED & SHLD)	32				TIE TO D.B.I.
RT. 3380+00 (MED)	6				TIE TO D.B.I.
RT. 3380+00 (MED & SHLD)	32	25	1	Type 3, 6"	
LT. 3386+65 (MED & SHLD)	32				TIE TO D.B.I.
RT. 3386+65 (MED)	6				TIE TO D.B.I.
RT. 3385+65 (SHLD)		25	1	Type 3, 6"	
LT. 3389+00 (MED & SHLD)	32				TIE TO D.B.I.
RT. 3389+00 (MED)	6				TIE TO D.B.I.
RT. 3389+00 (SHLD)		25	1	Type 3, 6"	
LT. 3391+00 (SHLD)		25	1	Type 3, 6"	
LT. 3395+20 (SHLD)		25	1	Type 3, 6"	

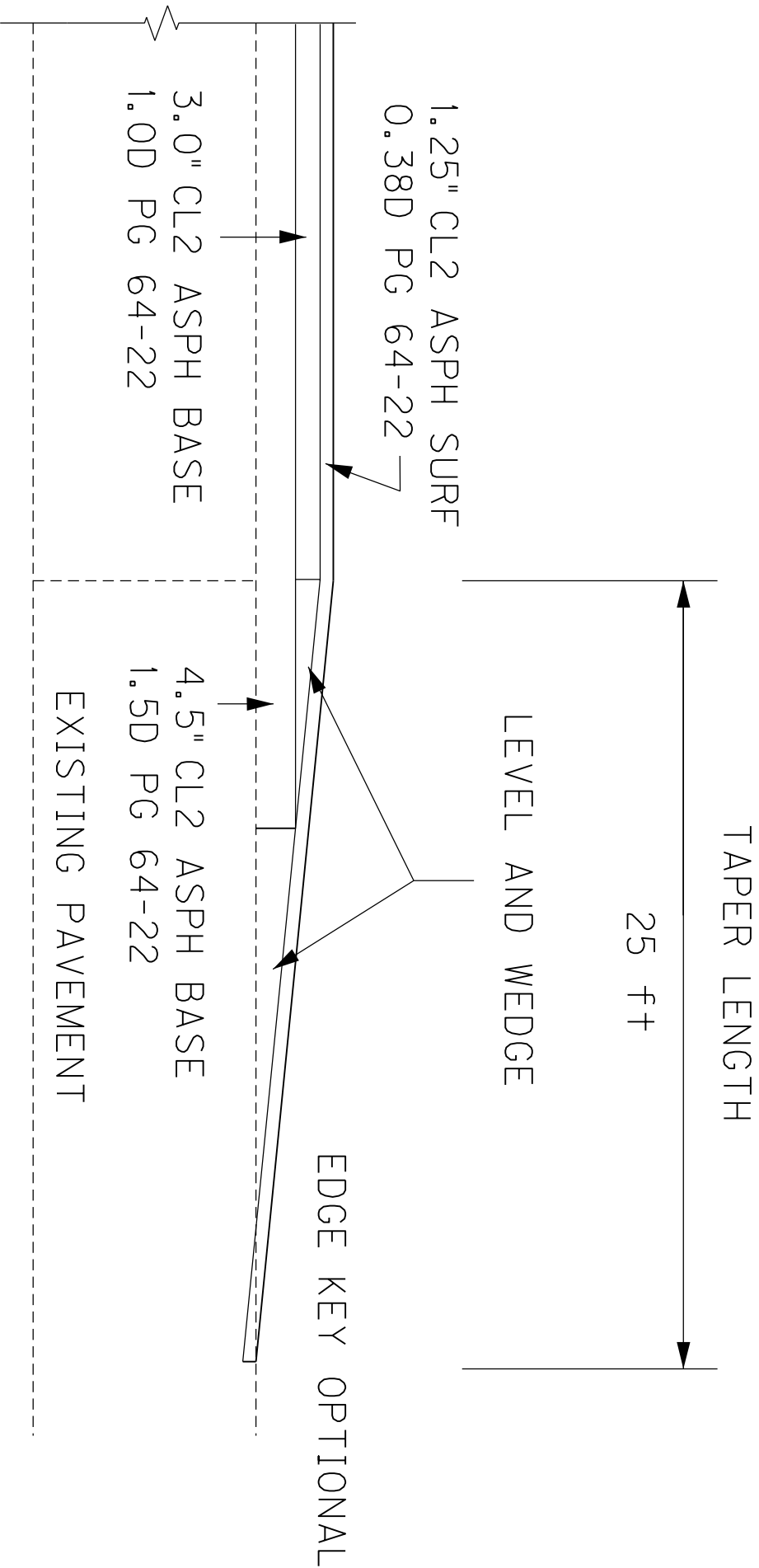
RT. 3395+20 (SHLD)		25	1	Type 3, 6"	
SUM	714	770	30		
* QUANTITIES ON THIS SHEET HAVE BEEN CARRIED OVER AND INCLUDED IN THE GENERAL					
SUMMARY SHEET					

PERRY COUNTY

PERRY COUNTY
HAZARD-WATER GAP RD, (KY 80)
REHABILITATION MP 7.93 - 15.86
SHEET A



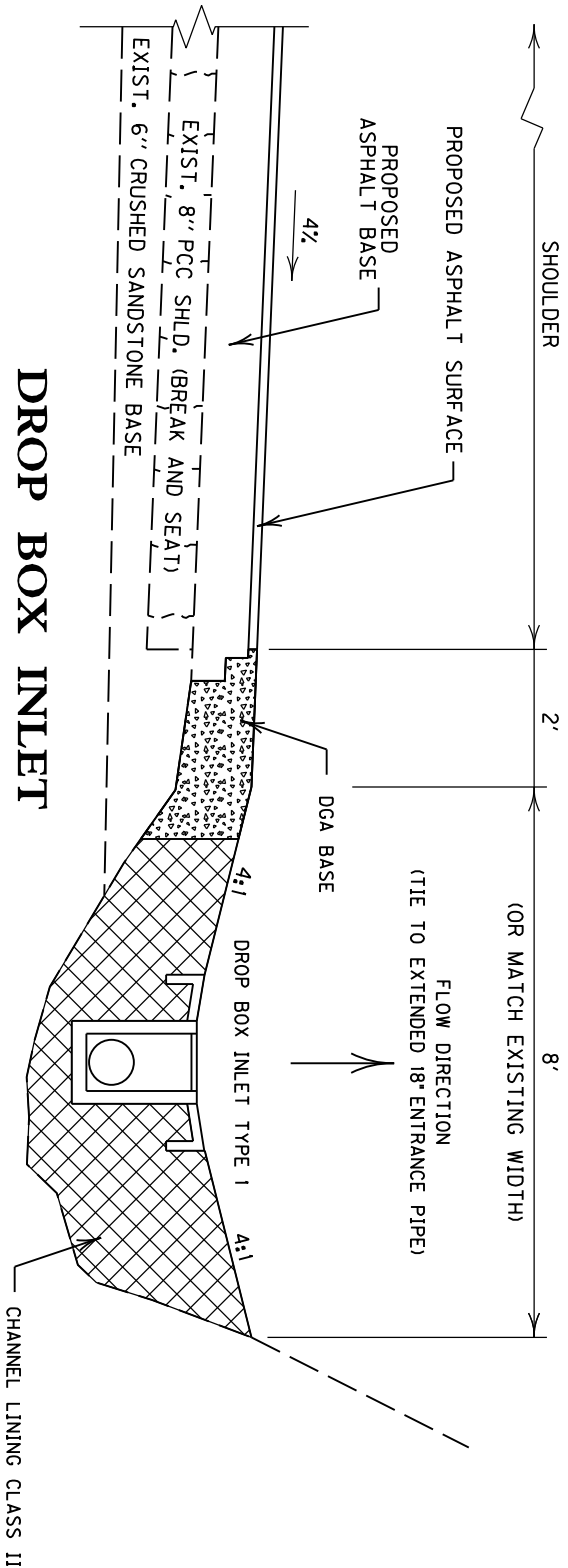
ITEM # 10-0161.00



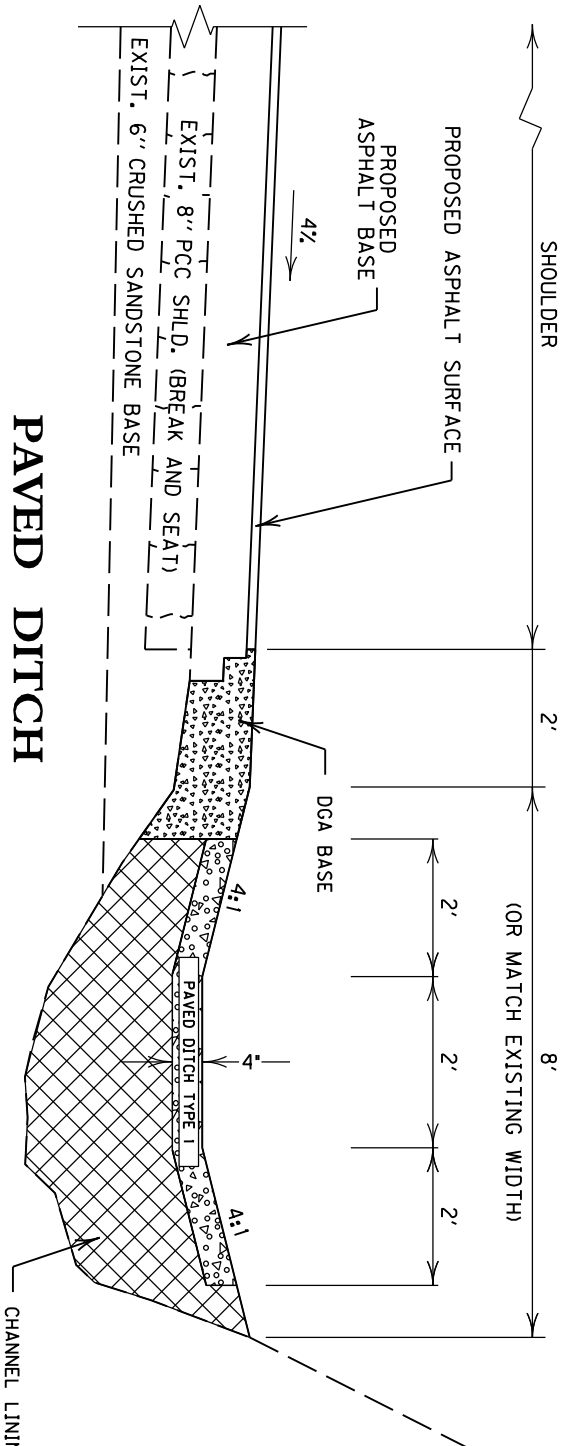
TAPER AT ENTRANCES

NOT TO SCALE

ITEM # 10-0161.00



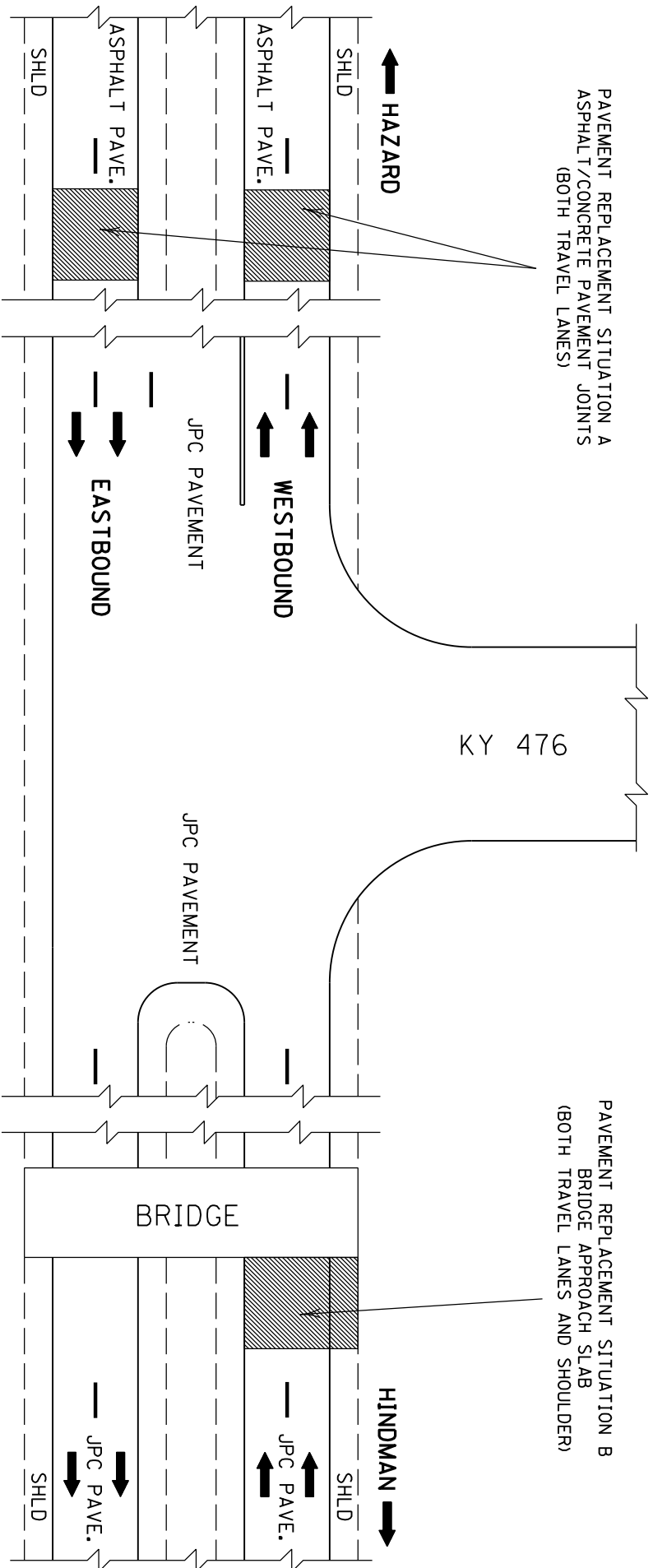
DROP BOX INLET
SECTION 2
LT. STA. 3343+50 (PINE CONE ROAD)



PAVED DITCH
SECTION 2
LT. STA. 3344+50 TO LT. STA. 3347+75

ITEM # 10-0161.00

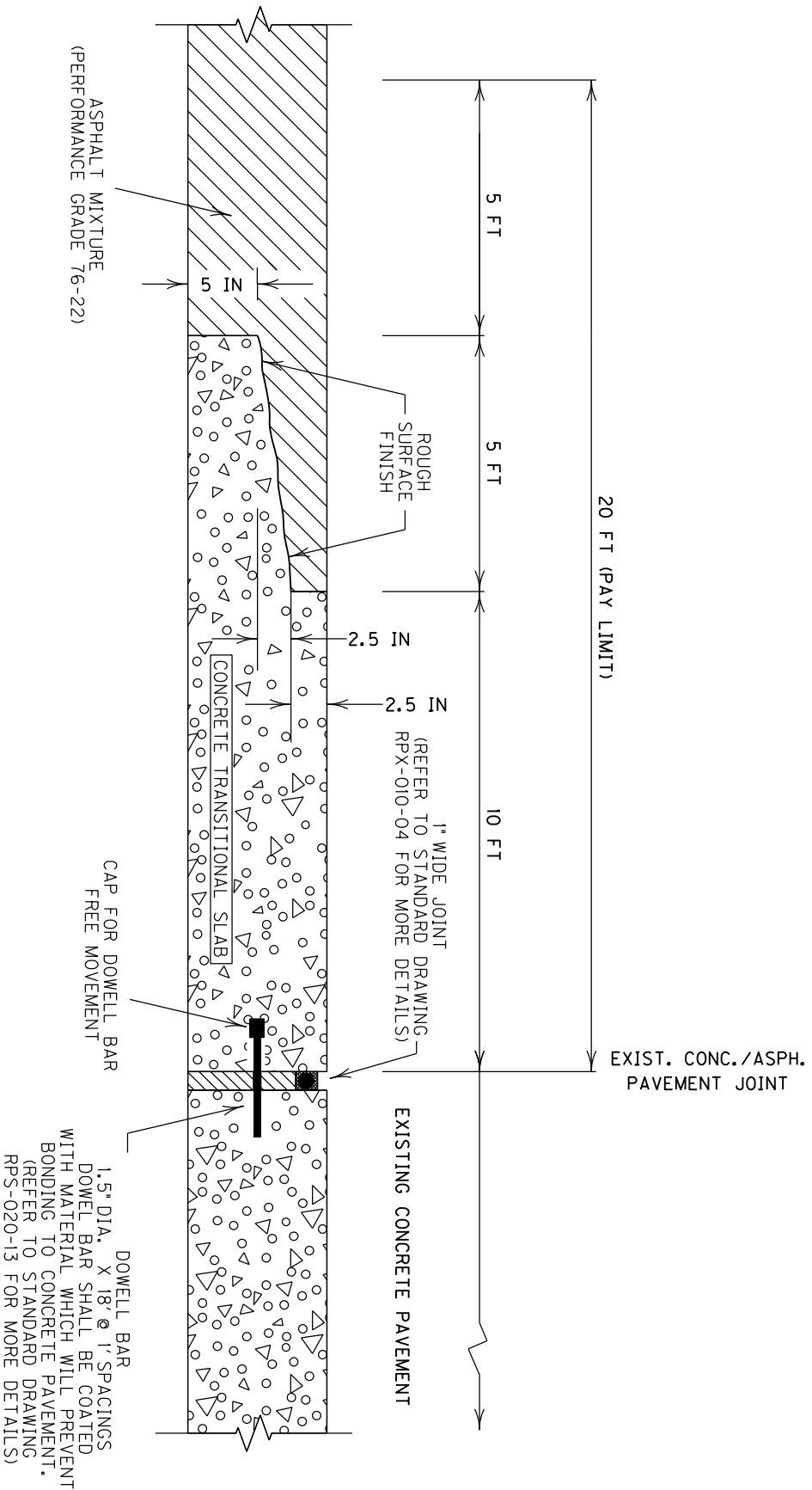
NOT TO SCALE



KY 476/KY 80 INTERSECTION
ASPHALT/CONCRETE PAVEMENT REPLACEMENT

ITEM # 10-0161.00

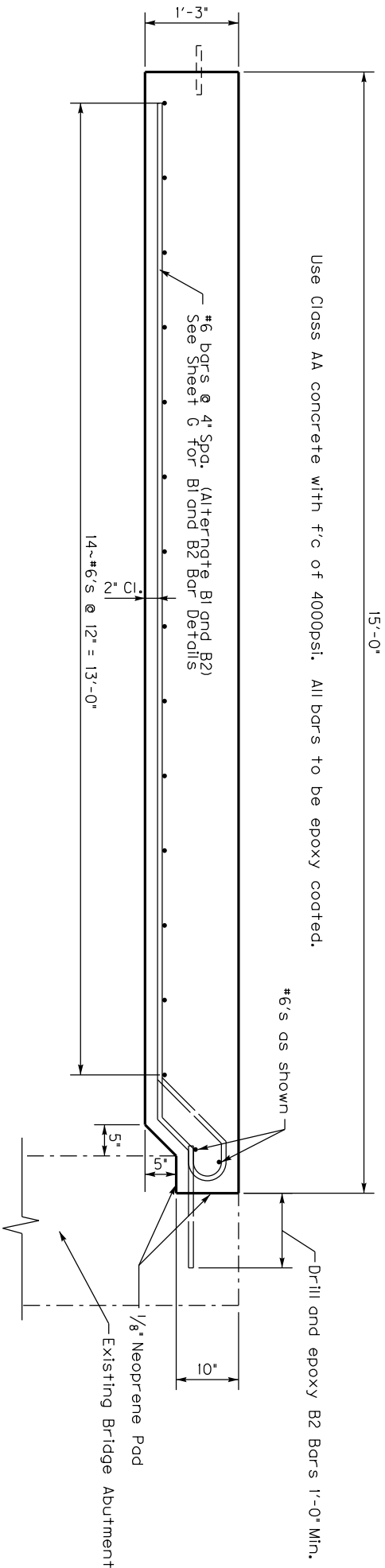
NOT TO SCALE



PAVEMENT REPLACEMENT SITUATION A
ASPHALT/CONCRETE PAVEMENT TRANSITION
(KY 47680 INTERSECTION)

ITEM # 10-0161.00

NOT TO SCALE



PAVEMENT REPLACEMENT SITUATION B
BRIDGE END APPROACH SLAB

Notes:

Remove and replace existing PCC pavement as shown on the drawing. Refill any voids with Structure Granular Backfill (in accordance with Special Provision No. 69), wrapped in Geotextile Fabric Type IV.

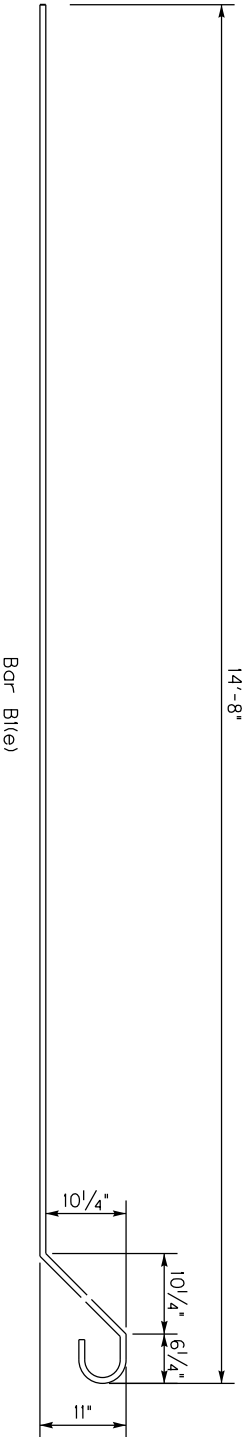
Payment: Include the cost of Class "A" concrete, epoxy-coated steel reinforcement, and all labor and materials required to construct the approach slab in the bid item for Approach Slab.

The Contractor is responsible to field verify the dimensions prior to ordering rebar, adjustments shall be made if necessary.

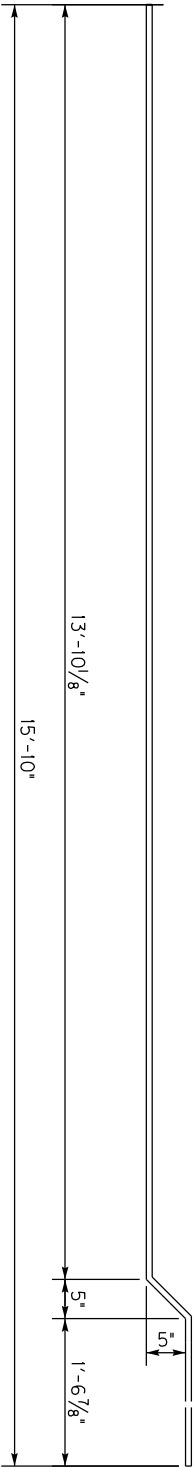
NOT TO SCALE

ITEM # 10-0161.00

PERRY COUNTY
HAZARD-WATER GAP RD. (KY 80)
REHABILITATION MP. 7.93 - 15.86
SHEET C



Bar B1(e)

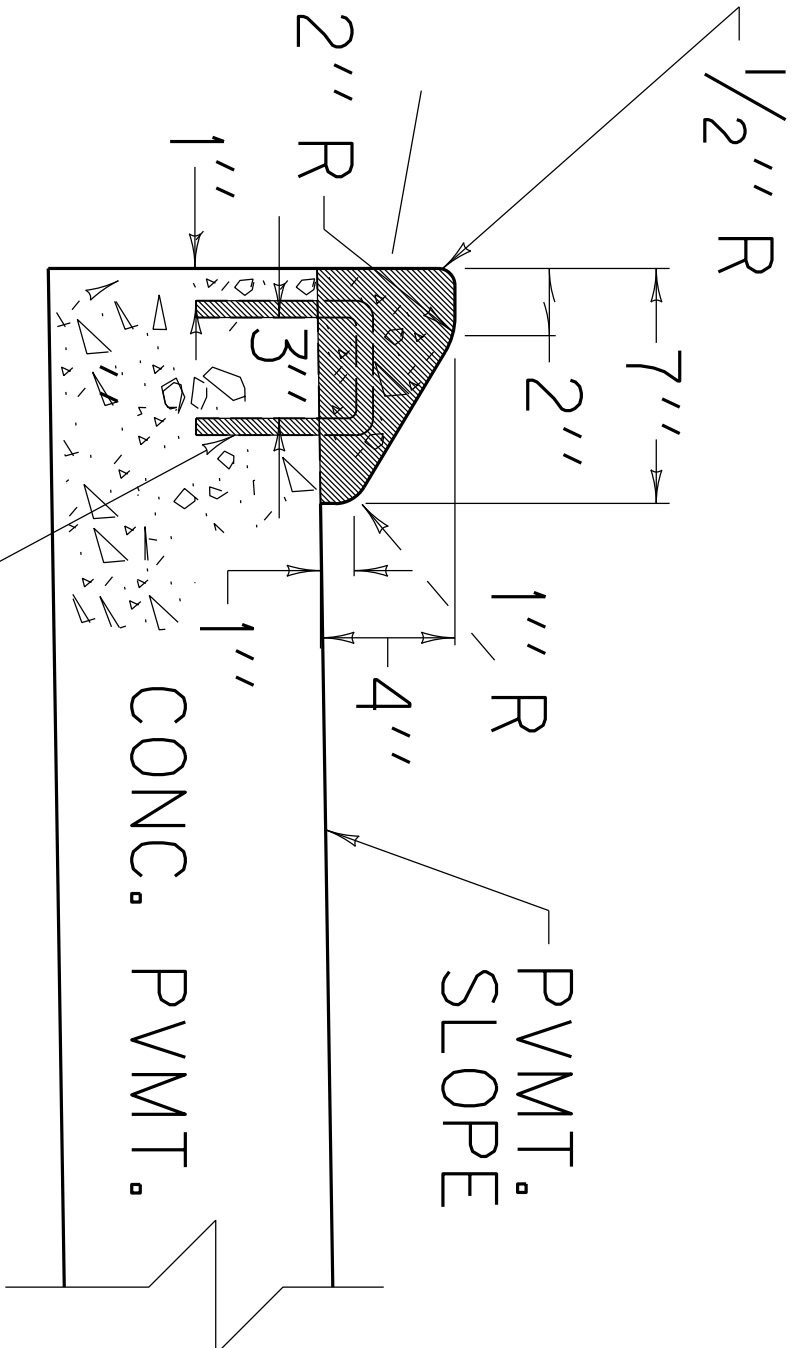


Bar B2(e)

B1 AND B2 BAR DETAILS

NOT TO SCALE

ITEM # 10-0161.00

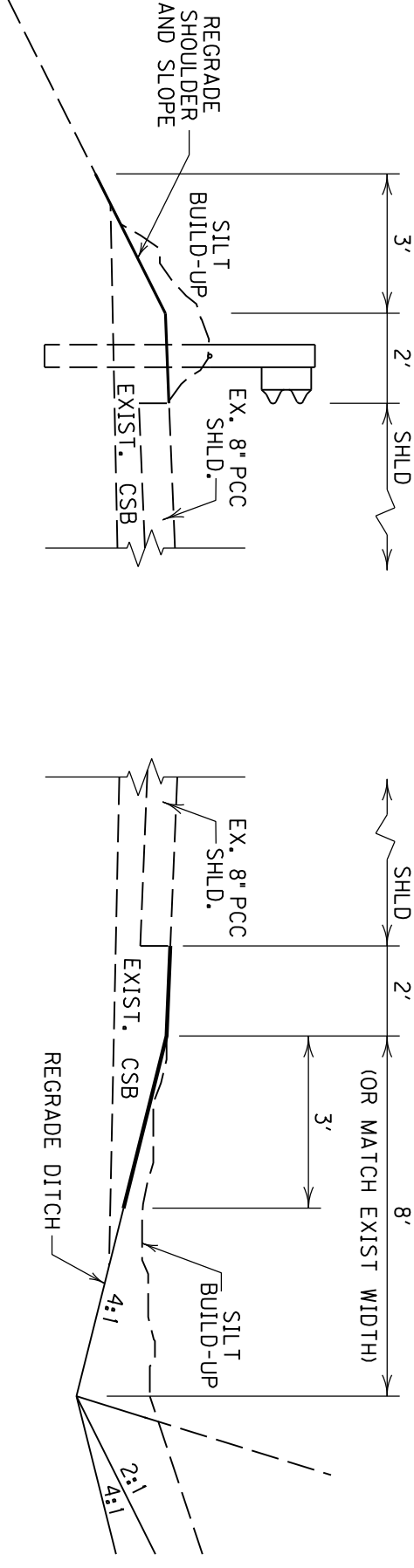
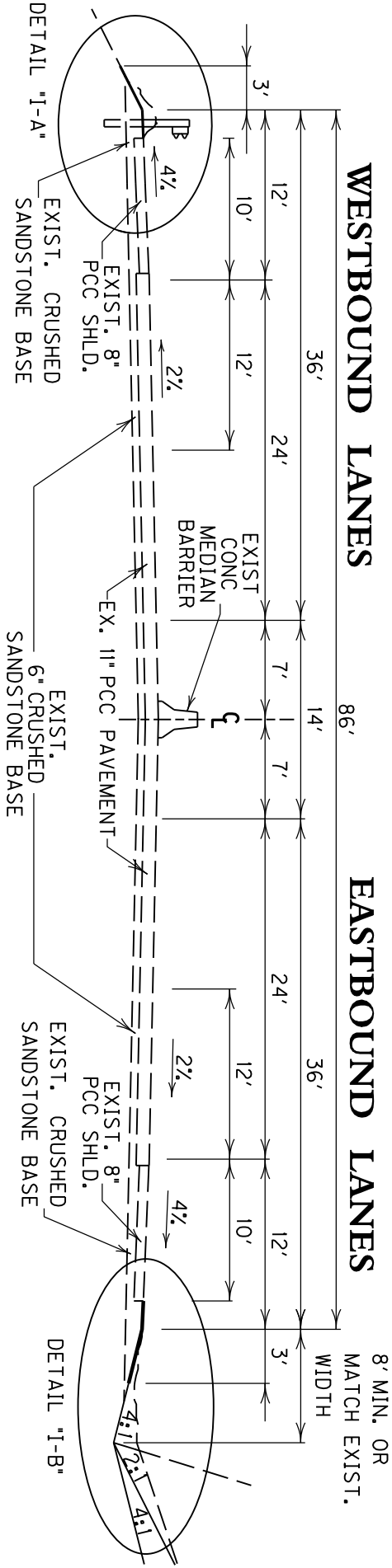


ISLAND INTEGRAL CURB

ITEM # 10-0161.00

NOT TO SCALE

PERRY COUNTY
HAZARD-WATER GAP RD. (KY 80)
REHABILITATION MP. 7.93 - 15.86
SHEET 1 OF 15



DETAIL "I-A"

DETAIL "I-B"

TYPICAL SECTION
WITH CONCRETE
MEDIAN BARRIER
(M.P. 7.93 - M.P. 8.40)

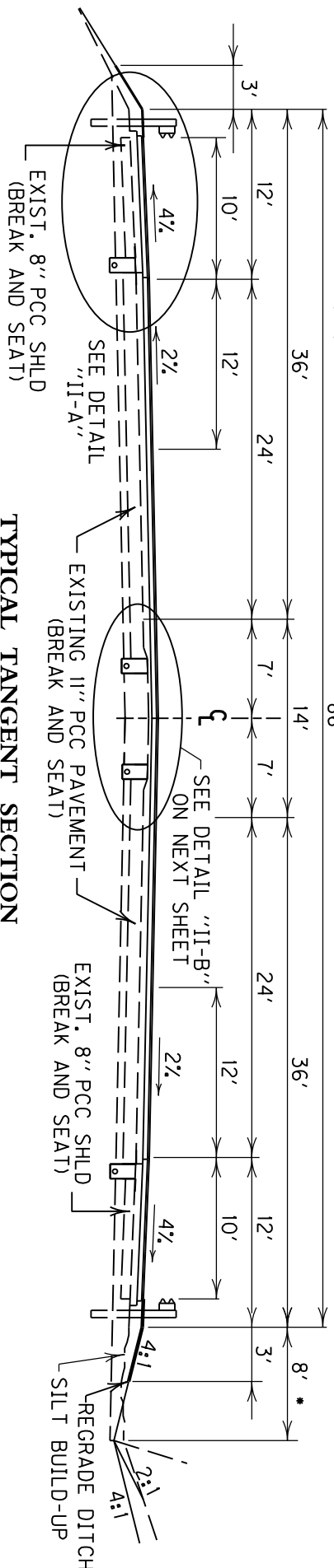
NOT TO SCALE

SECTION I

ITEM # 10-0161.00

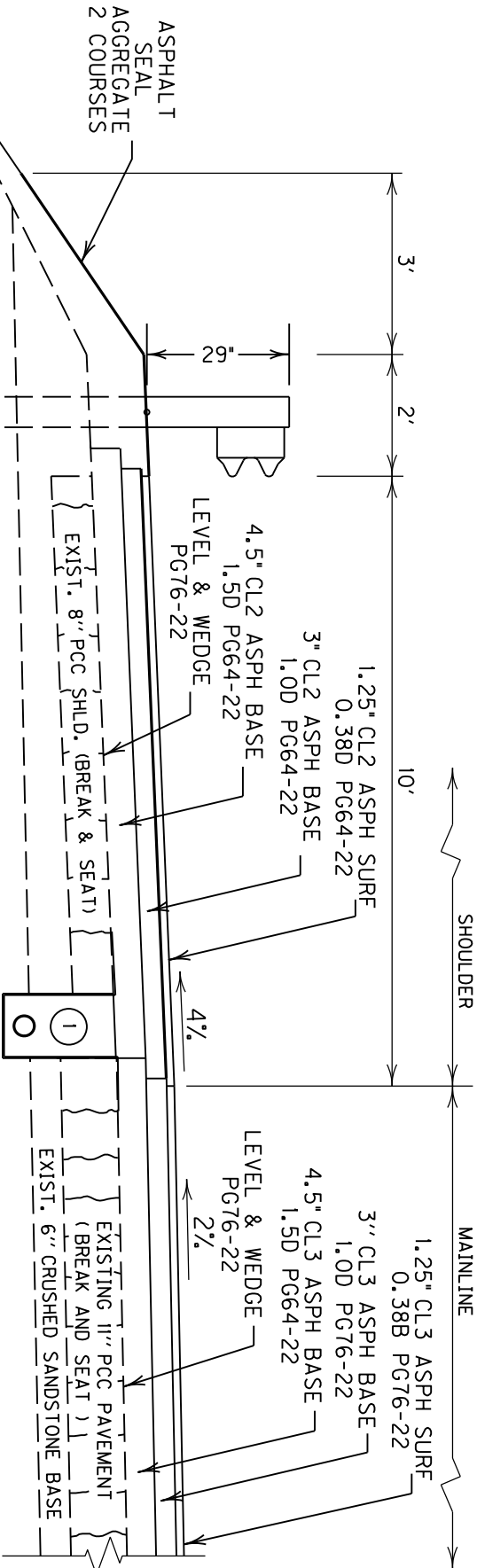
WESTBOUND LANES

EASTBOUND LANES



TYPICAL TANGENT SECTION
OVER MOUNTABLE MEDIAN
(SEC. II - M.P. 8.40 - M.P. 10.90)

* OR MATCH EXISTING WIDTH



DETAIL "II-A"

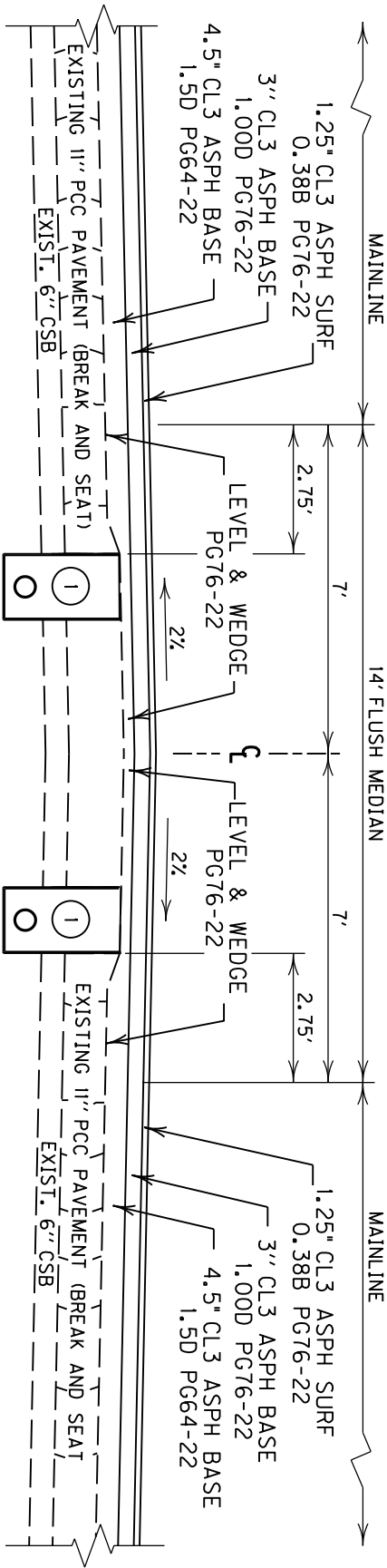
① EDGE DRAIN DETAIL SEE SHEET NO. 12
REFER TO THE PROPOSAL FOR PAVEMENT
EDGE DRAIN LOCATIONS

TYPICAL TANGENT SECTION
SECTION II

SECTION II

ITEM # 10-0161.00

NOT TO SCALE



DETAIL "II-B"

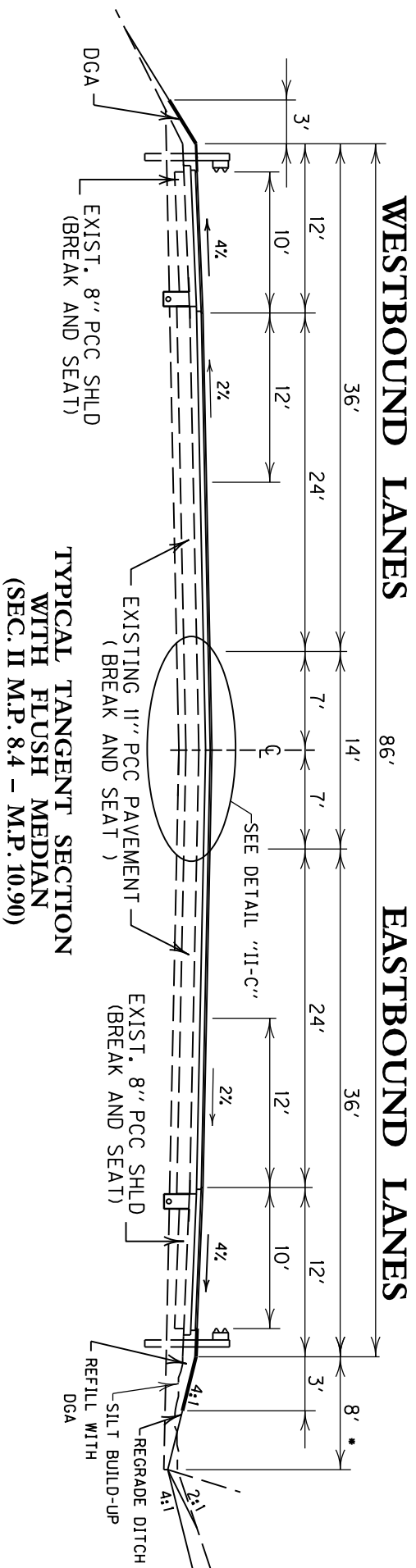
TYPICAL TANGENT SECTION
OVER MOUNTABLE MEDIAN
(SEC. II - M.P. 8.4 - M.P. 10.9)

① EDGE DRAIN DETAIL SEE SHEET NO. 13
REFER TO THE PROPOSAL FOR PAVEMENT
EDGE DRAIN LOCATIONS.

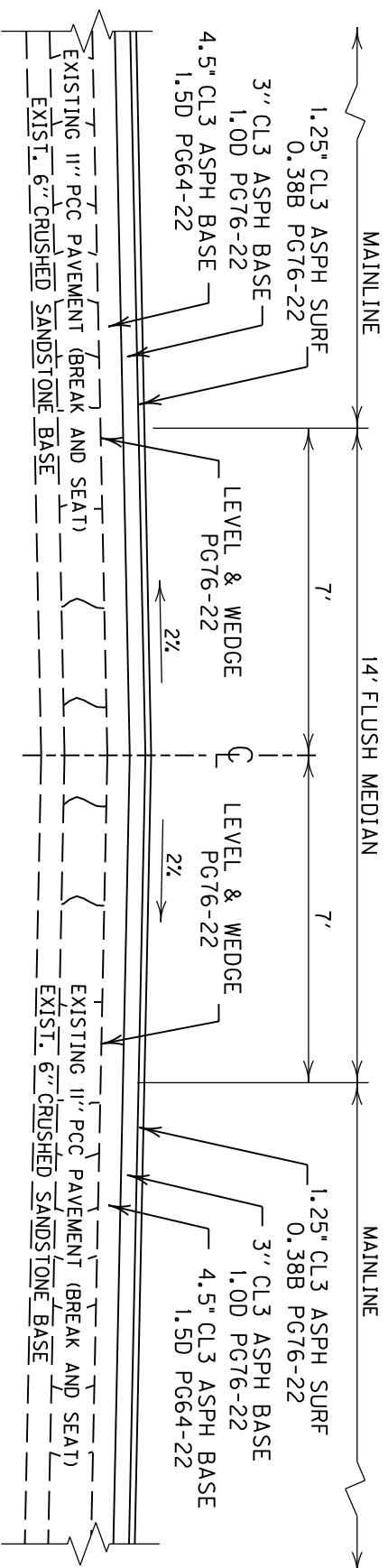
NOT TO SCALE

SECTION II

ITEM # 10-0161.00



- * OR MATCH EXISTING WIDTH

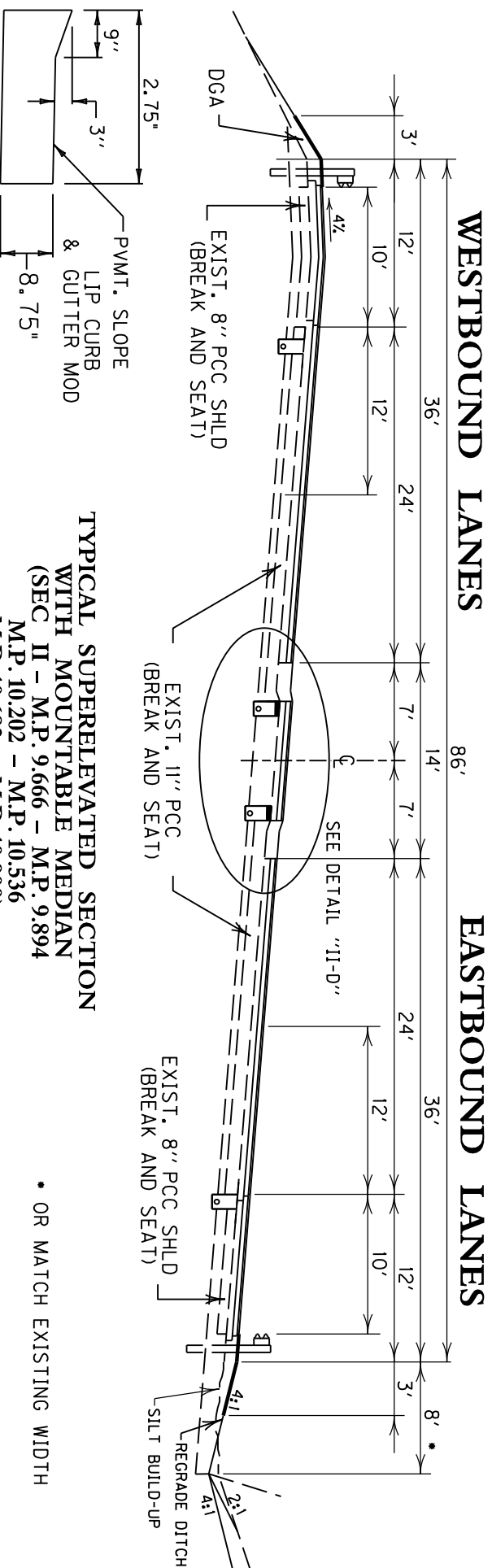


DETAIL "II-C"

TYPICAL FLUSH MEDIAN NORMAL SECTION

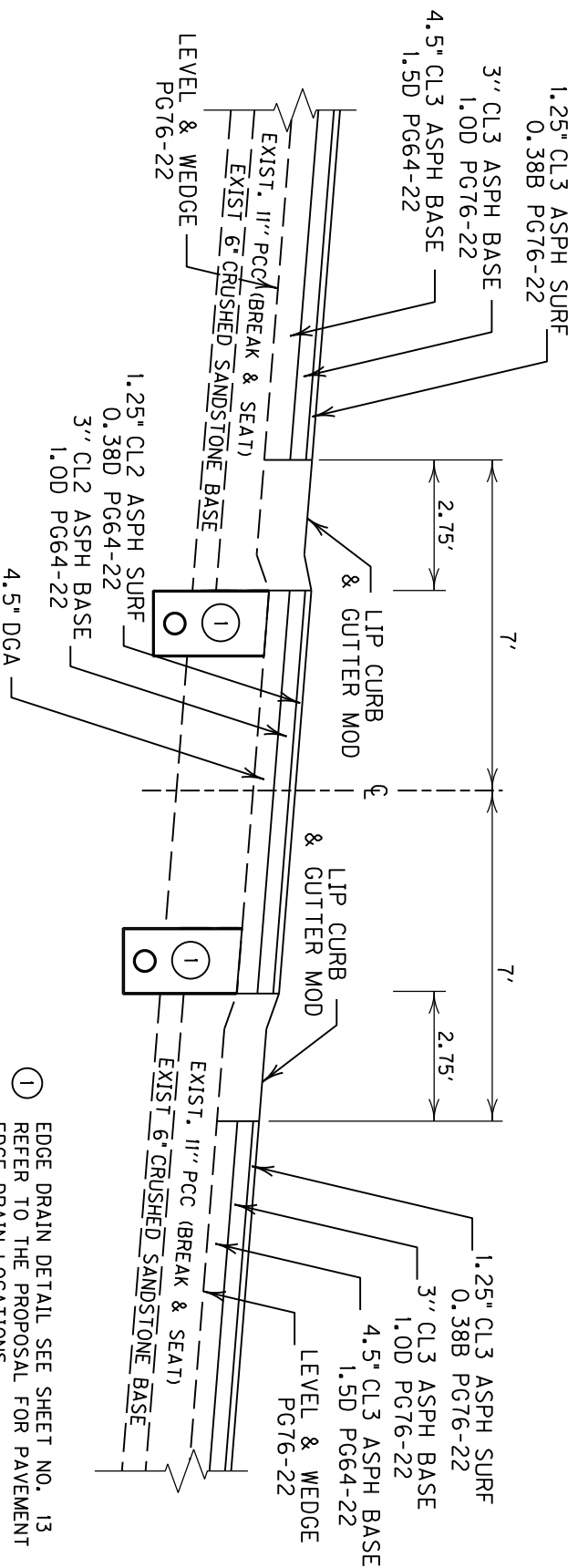
SECTION II

ITEM # 10-0161.00



**TYPICAL SUPERELEVATED SECTION
WITH MOUNTABLE MEDIAN
(SEC II - M.P. 9.666 - M.P. 9.894**

- * OR MATCH EXISTING WIDTH



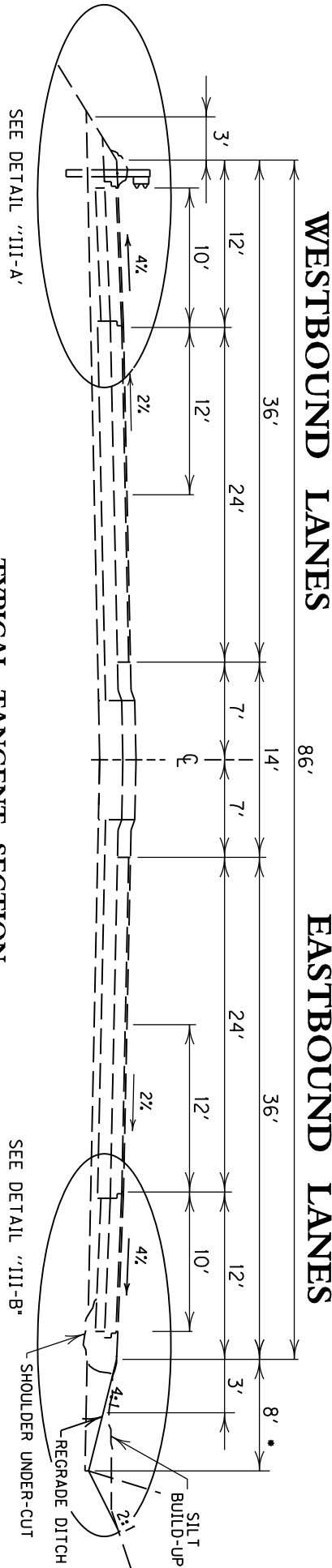
① EDGE DRAIN DETAIL SEE SHEET NO. 13
REFER TO THE PROPOSAL FOR PAVEMENT
EDGE DRAIN LOCATIONS.

NOT TO SCALE

SECTION II

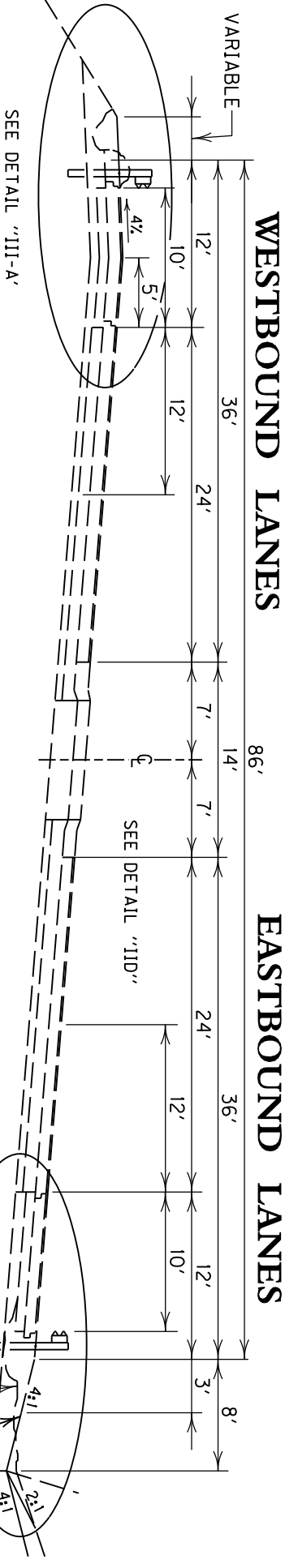
ITEM # 10-0161.00

PERRY COUNTY
HAZARD-WATER GAP RD. (KY 80)
REHABILITATION MP. 7.93 - 15.86
SHEET 6 OF 15



TYPICAL TANGENT SECTION

• OR MATCH EXISTING WIDTH

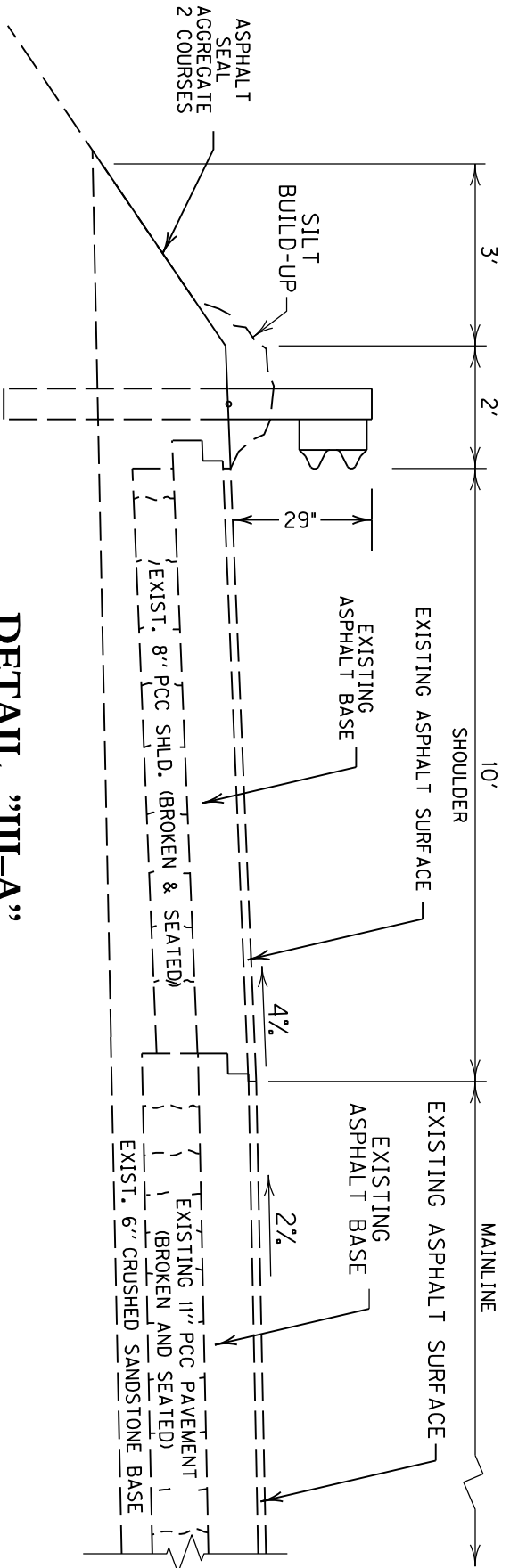


TYPICAL SUPERELEVATED SECTION
WITH MOUNTABLE MEDIAN

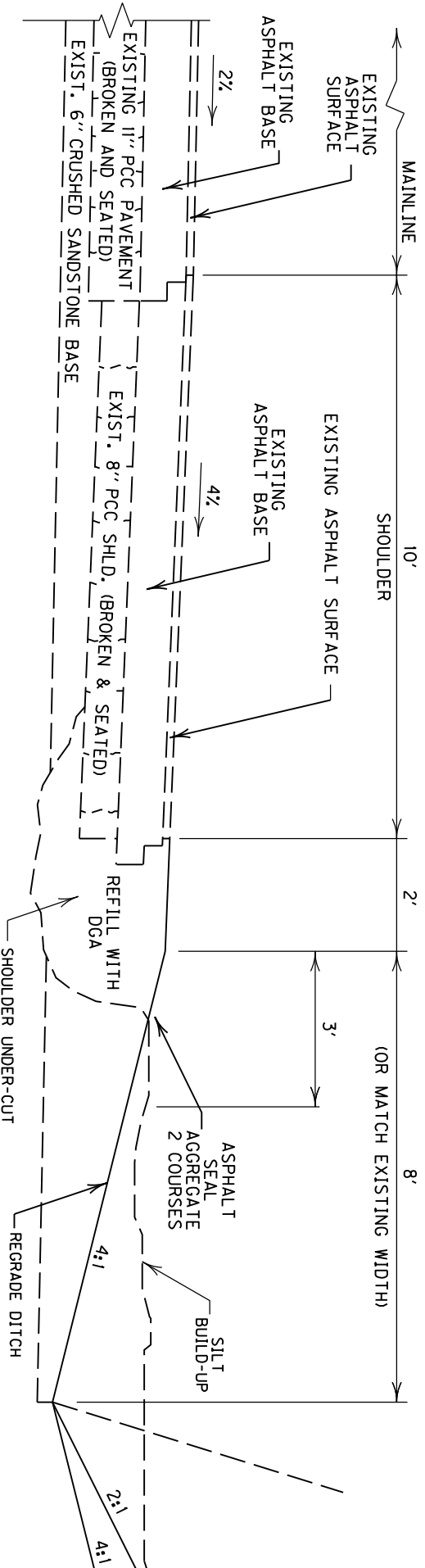
SECTION III

ITEM # 10-0161.00

NOT TO SCALE



DETAIL "III-A"



DETAIL "III-B"

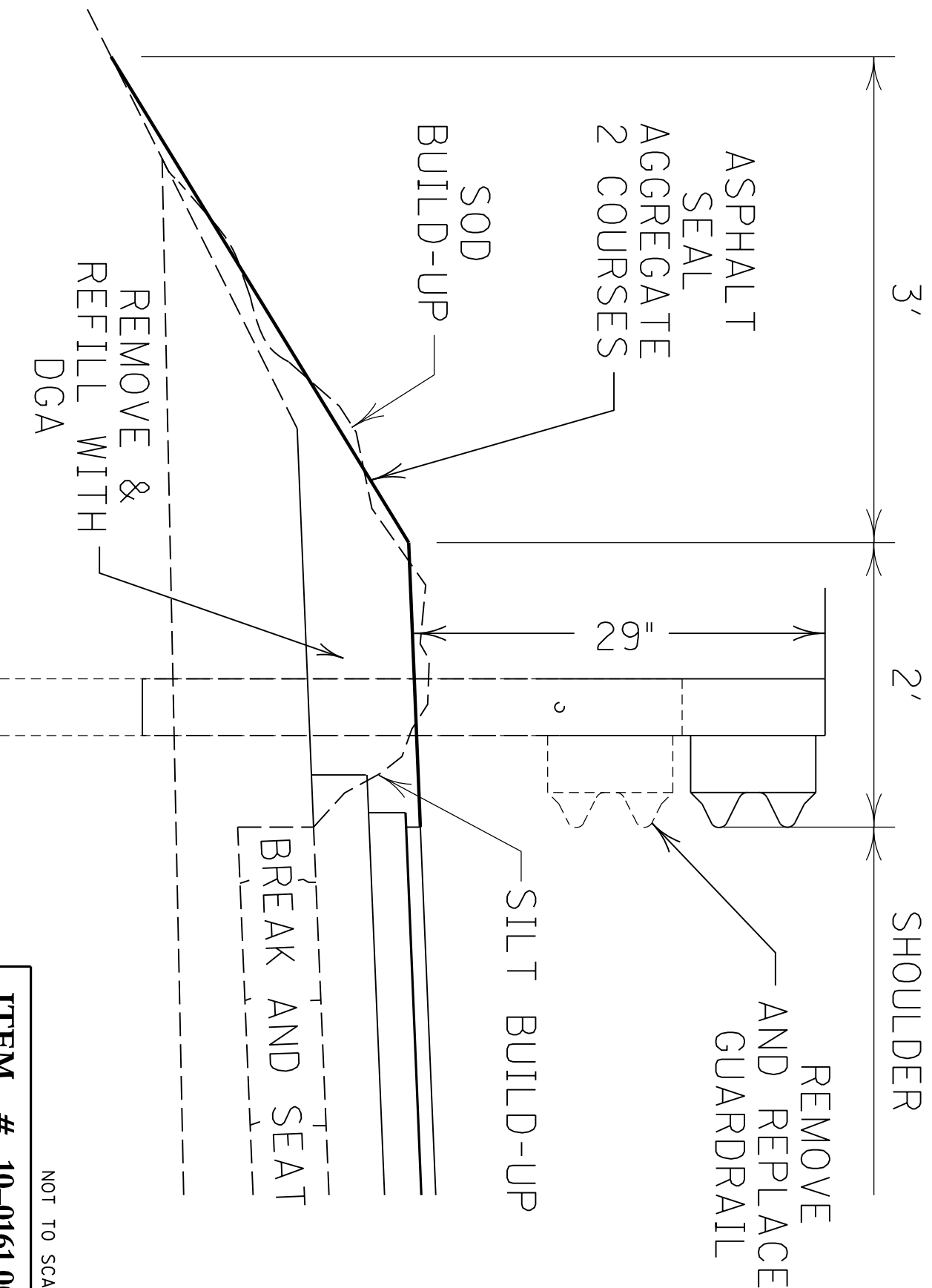
SECTION III

ITEM # 10-0161.00

NOT TO SCALE

**GUARDRAIL REMOVING/REPLACING AND
REGRADEING OF SHOULDERS
(SILT/ SOD BUILD-UP SITUATION)**

PERRY COUNTY
HAZARD-WATER GAP RD. (KY 80)
REHABILITATION MP. 7.93 - 15.86
SHEET 8 OF 15

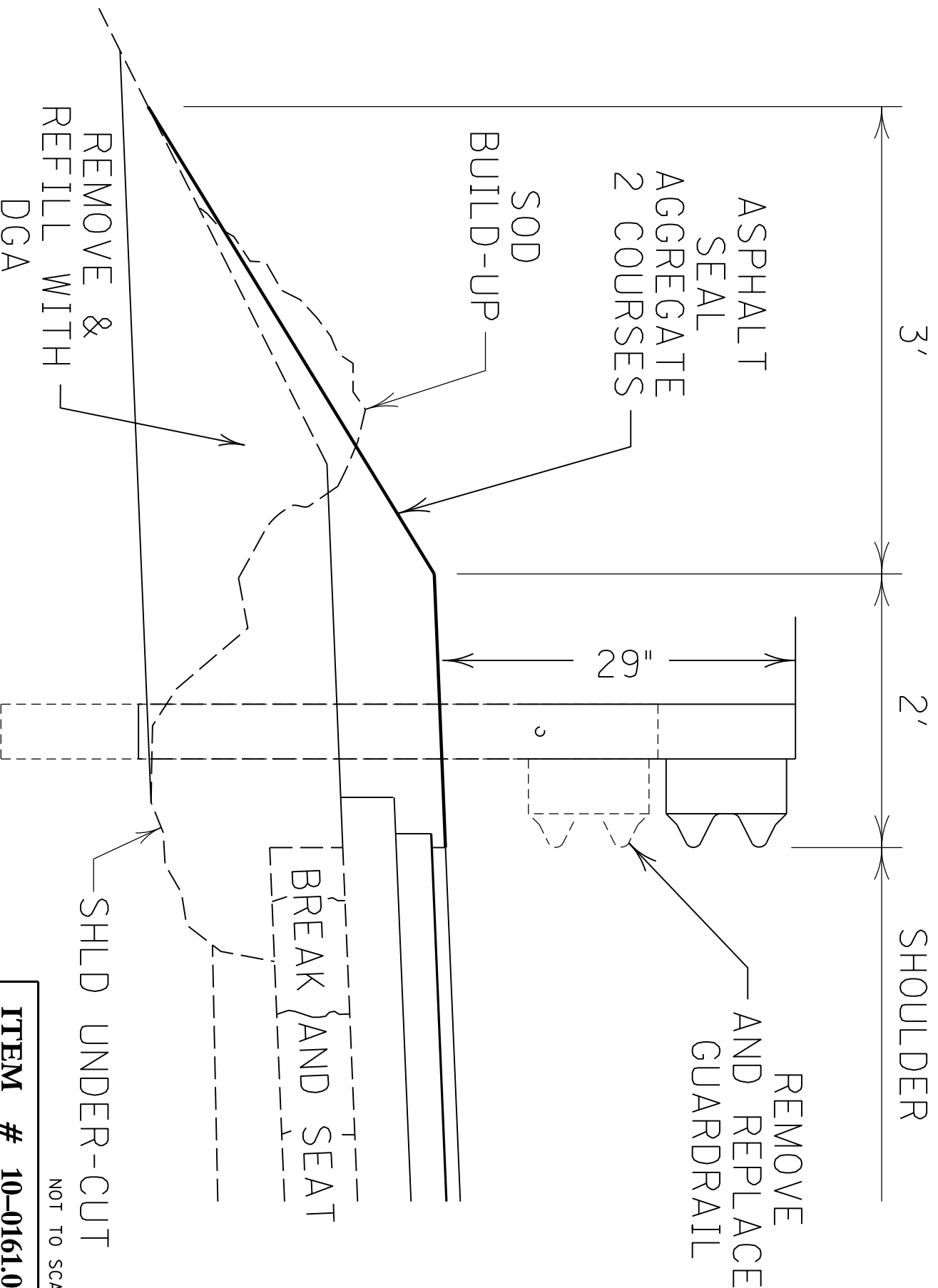


ITEM # 10-0161.00

NOT TO SCALE

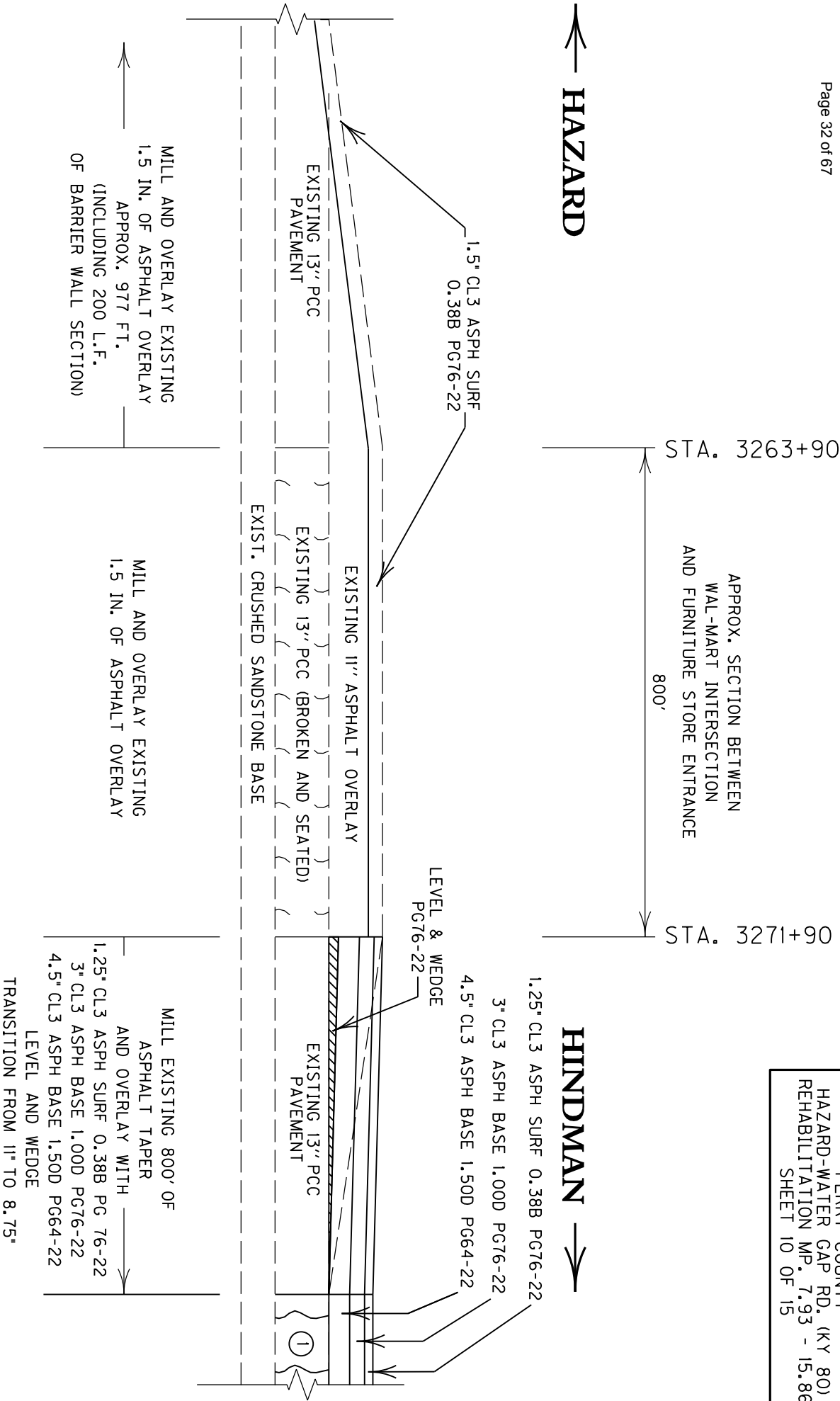
**GUARDRAIL REMOVING/REPLACING AND
REGRADEING OF SHOULDERS
(DITCH UNDER-CUT SITUATION)**

PERRY COUNTY
HAZARD-WATER GAP RD. (KY 80)
REHABILITATION MP. 7.93 - 15.86
SHEET 9 OF 15



ITEM # 10-0161.00
NOT TO SCALE

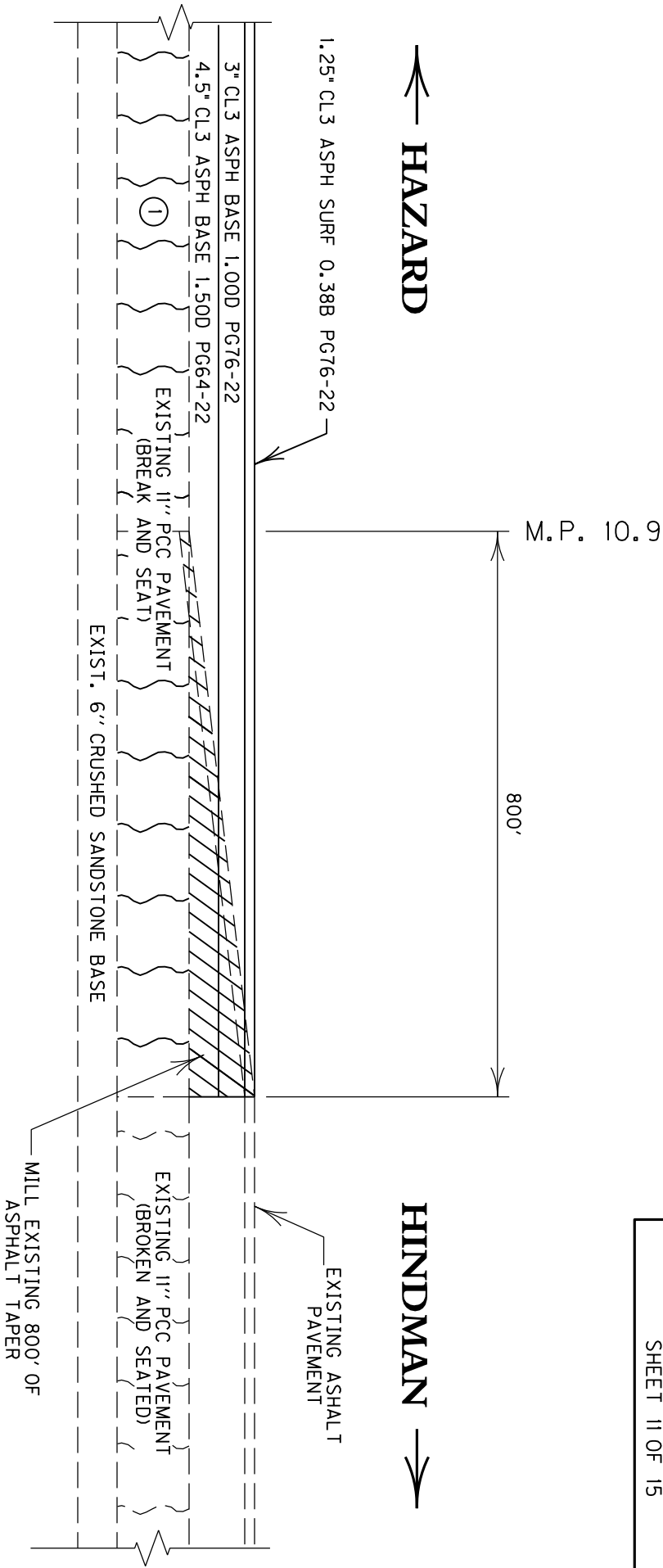
PERRY COUNTY
HAZARD-WATER GAP RD. (KY 80)
REHABILITATION MP. 7.93 - 15.86
SHEET 10 OF 15



PROJECT OVERLAY TRANSITION WEST END AT M.P. 8.40

ITEM # 10-0161.00

NOT TO SCALE

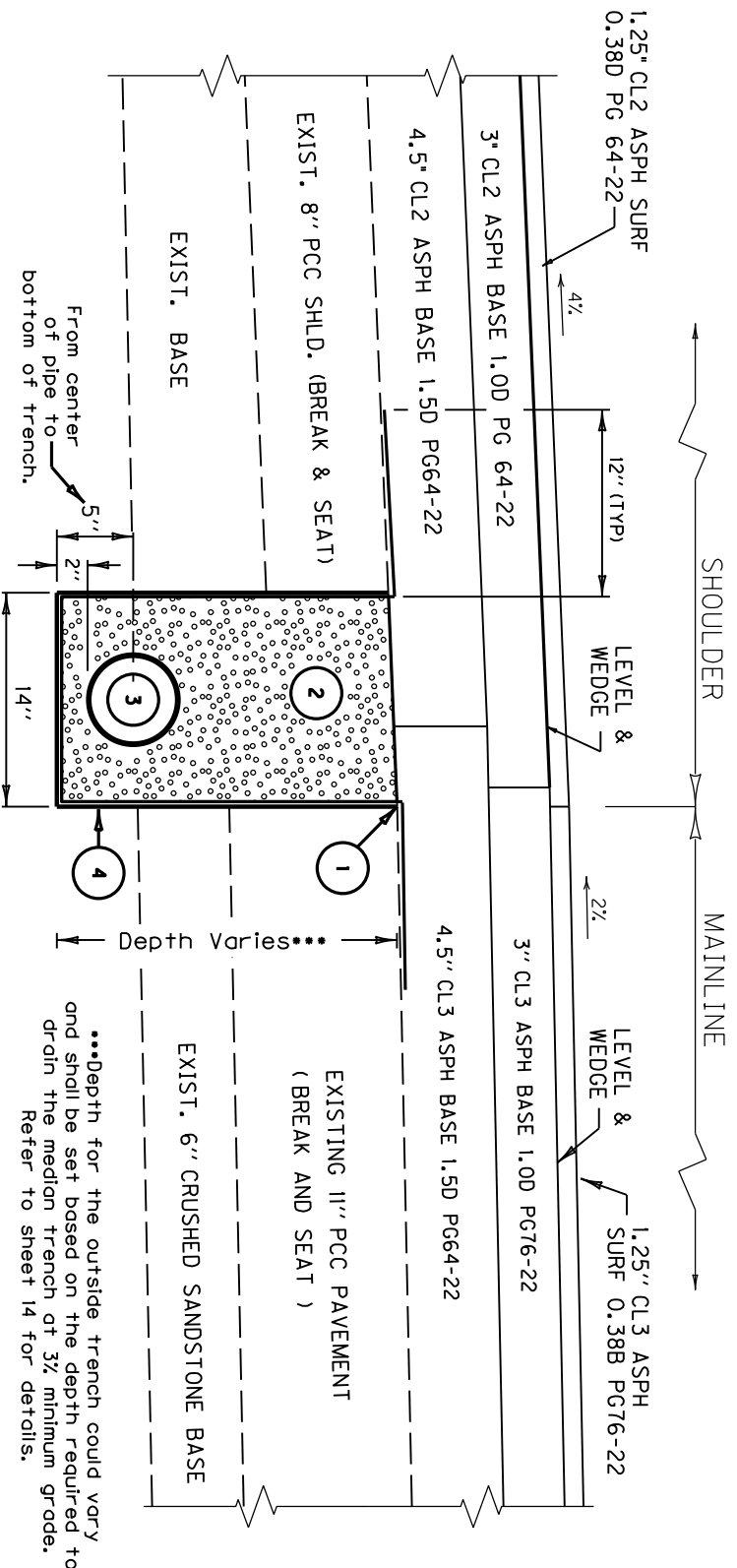


① BREAK AND SEAT (BOTH DIRECTIONS)

PROJECT OVERLAY TRANSITION EAST END AT M.P. 10.90

ITEM # 10-0161.00

NOT TO SCALE



PERFORATED PIPE DRAIN OUTSIDE SHOULDER

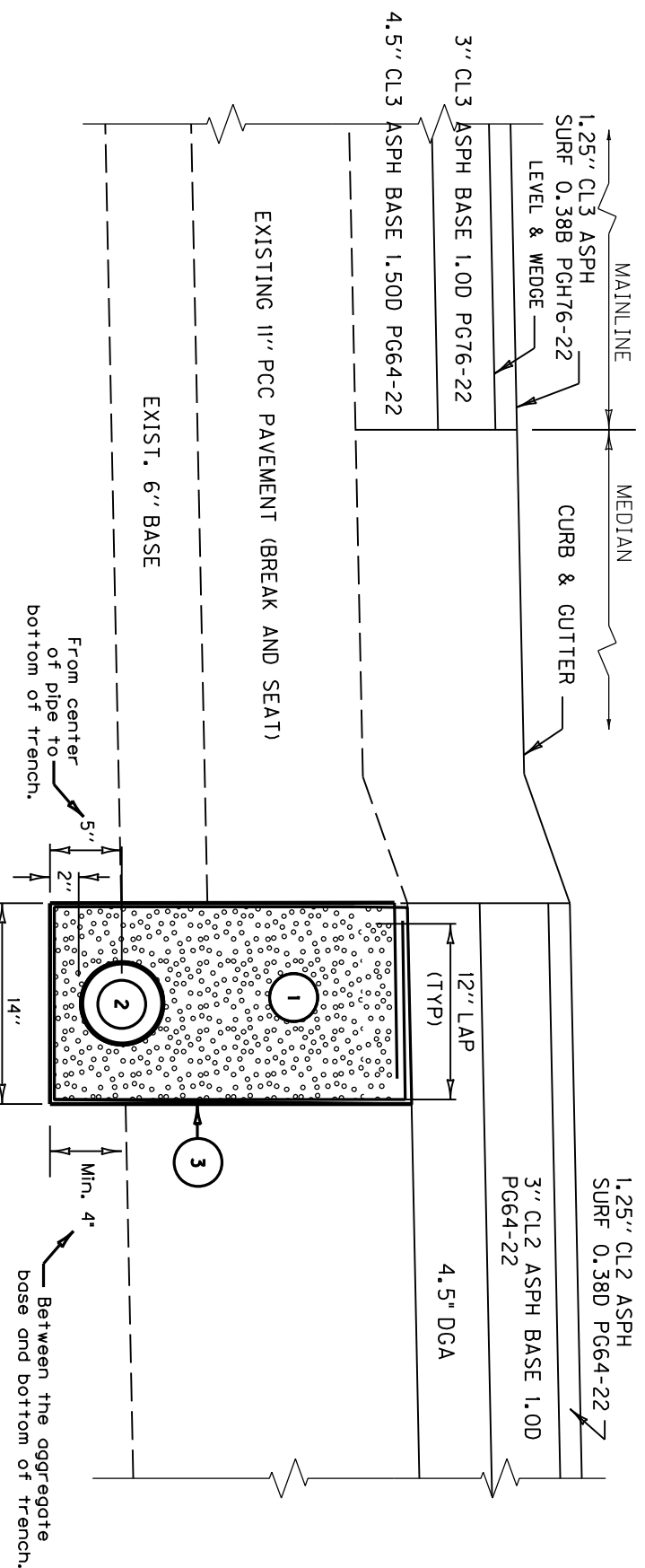
- ① SAW CUT A NEAT LINE IN THE EXISTING P.C.C. SHOULDER BEFORE REMOVING.
OR - ANY APPROVED METHOD MAY BE USED PROVIDED A NEAT EDGE IS OBTAINED.
- ② CRUSHED AGGREGATE SIZE NO. 57 (NO SAND)
- ③ 100I PERFORATED PIPE-6 INCH (NO SOCK)
- ④ 10II NON-PERFORATED PIPE-6 INCH (OUTLET)
- ④ FABRIC-GEOTEXTILE TYPE IV (7' WIDTH)

***Depth for the outside trench could vary
and shall be set based on the depth required to
drain the median trench at 3/4 minimum grade.
Refer to sheet 14 for details.

PAVEMENT EDGE DRAIN EXISTING PAVEMENT

ITEM # 10-0161.00

NOT TO SCALE



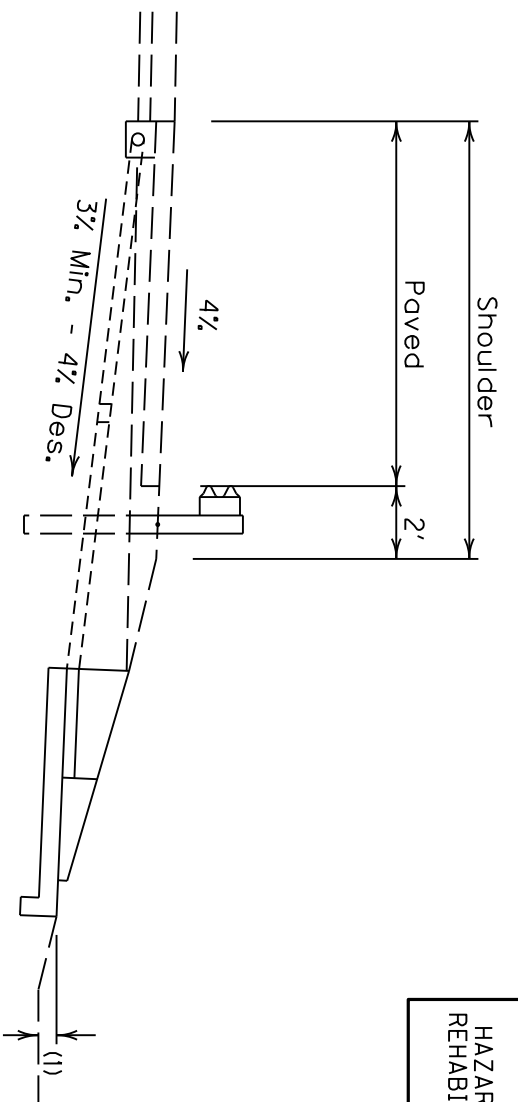
- ① CRUSHED AGGREGATE SIZE NO. 57 (NO SAND)
- ② 1001 PERFORATED PIPE-6 INCH (NO SOCK)
- ③ 1011 NON-PERFORATED PIPE-6 INCH (OUTLET)
- ③ FABRIC-GEOTEXTILE TYPE IV (7' WIDTH)

PERFORATED PIPE DRAIN INSIDE SHOULDER

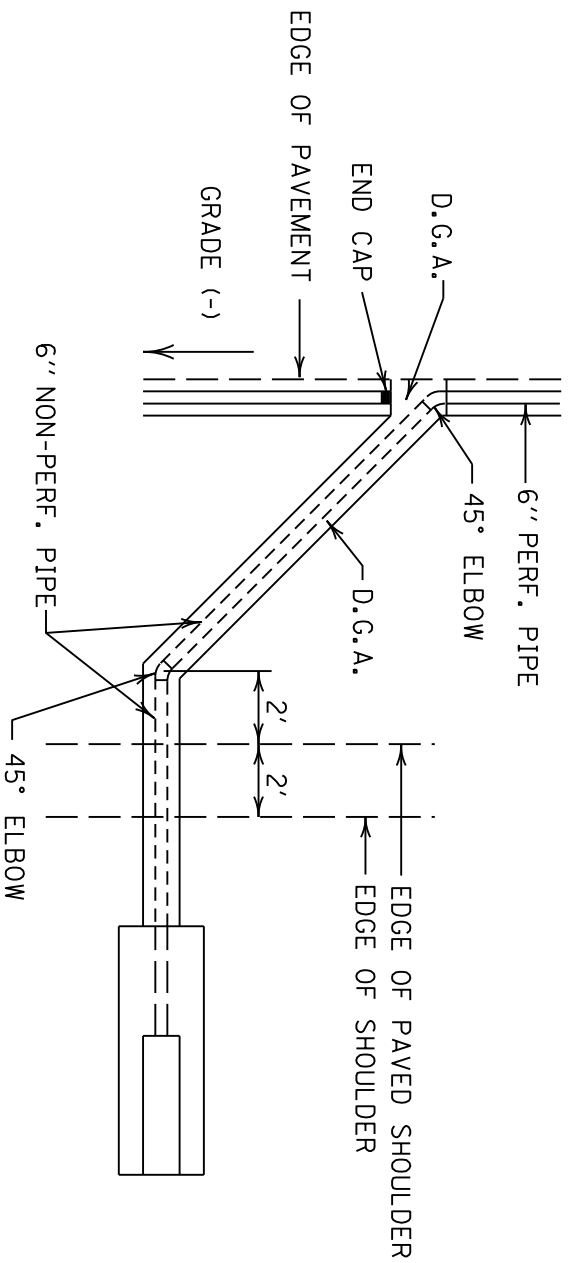
PAVEMENT EDGE DRAIN EXISTING PAVEMENT
(MEDIAN)

ITEM # 10-0161.00

NOT TO SCALE



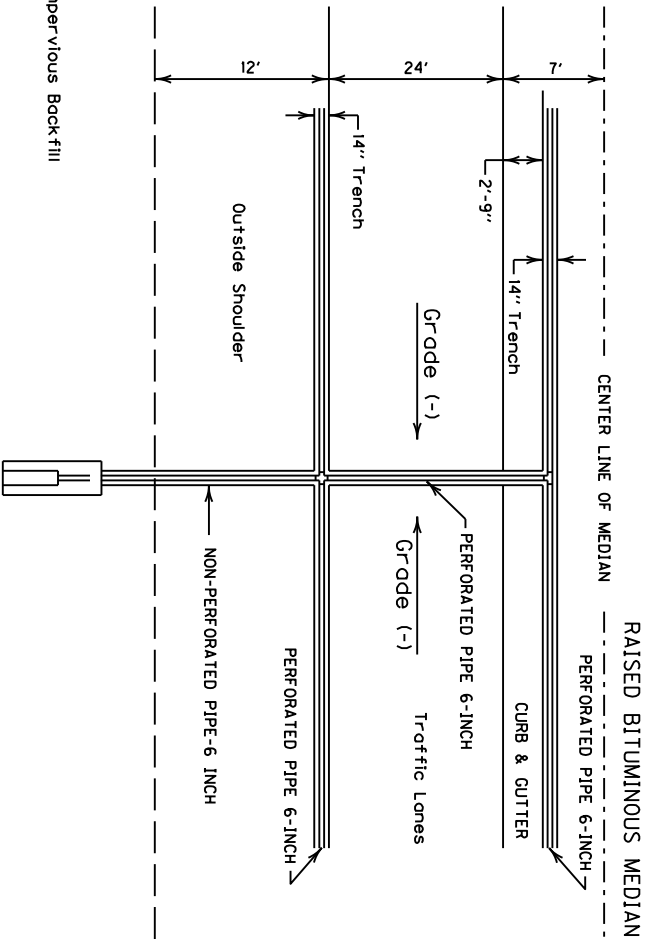
① 6" minimum Freeboard to the bottom of the ditch.



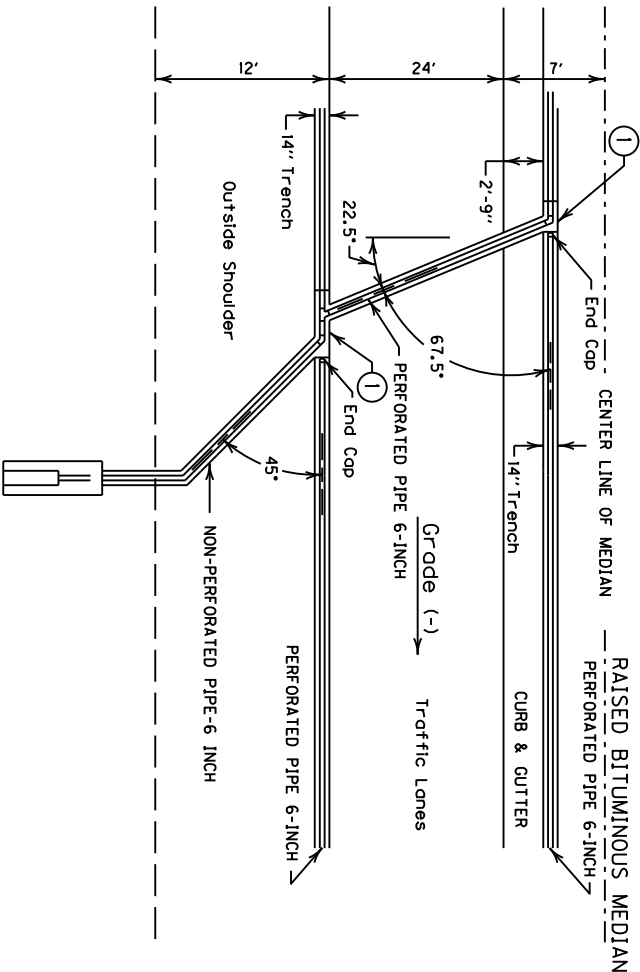
LONGITUDINAL PAVEMENT EDGE DRAIN

(PERFORATED PIPE)

① ImperVIOUS Backfill



OUTLET IN SAG



OUTLET IN GRADE

PERRY COUNTY
HAZARD-WATER GAP RD. (KY 80)
REHABILITATION MP. 7.93 - 15.86
SHEET 15 OF 15

ITEM # 10-0161.00

NOT TO SCALE

SECTION 1 CONSTRUCTION LOCATIONS AND NOTES (M.P. 7.93 - M.P. 8.4)

LOCATION	GUARDRAIL END TREATMENT		TERM. SEC. NO. 1	ISLAND INTEGRAL CURB	FLUME TYPE 1	FLUME TYPE 2	CHANNEL LINING CLASS 2	CHANNEL LINING CLASS 3	SHLDING L.F.	DITCHING L.F.	
	1	2A									
	EACH	EACH									
1. LT. STA. 3234+00 - LT. STA 3242+00										800	
2. RT. STA. 3243+10 - RT. STA 3256+13				1312.5		1		200	1312.5		
3. LT. STA. 3244+00 - LT. STA 3251+00	1								700		
4. LT. STA. 3252+38 - LT. STA 3263+93										1155	
SUM	1			1312.5		1		200	2012.5	1955	
*QUANTITIES ON THIS SHEET HAVE BEEN CARRIED OVER AND INCLUDED IN THE GENERAL SUMMARY SHEET											

SECTION 2 CONSTRUCTION LOCATIONS AND NOTES (M.P. 8.4 - M.P. 10.9)

LOCATION	REMOVE GUARDRAIL	GUARDRAIL	GUARDRAIL END TREATMENT		TERM. SEC. NO. 1	ISLAND HEADER CURB	FLUME TYPE 1	FLUME TYPE 2	CHANNEL LINING CLASS 2	***CHANNEL LINING CLASS 3	PAVED DITCH
			1	2A							
1 RT. STA. 3256+13 - RT. STA 3259+26	L.F. 312.5	L.F. 262.5	1		TON	L.F.	EACH	EACH	TON	TON	
* TIE TO EXISTING GUARDRAIL											
2 RT. STA. 3272+30 - RT. STA 3282+80	1037.5	987.5	1		1	970		3		145	
* FLUME @ STA. 3272+50, 3273+50, 3275+00 (15 TN CL 3 CH LINING @ EACH FLUME).											
* EXTEND CURB TO INSIDE ENT. RADIUS											
* STA. 3274+00 EMBANKMENT STABILIZATION 100 TON CL3.											
2A RT. STA 3290+00 - RT. STA 3296+00	762.5	712.5	1			688.5	1	2		60	
* FLUME @ STA. 3291+00, 3295+00 (20 TON CL 3 CH LINING @ EACH FLUME)											
3 LT. STA. 3291+00 - LT. STA. 3296+00	537.5	562.5		1	1	486	1	1		125	
* FLUME @ STA. 3272+50, 3273+50, 3275+00 (15 TN CL 3 CH LINING @ EACH FLUME).											
* STA. 3293+50 EMBANKMENT STABILIZATION 100 TON OF CL 3 CHANNEL LINING											
* EXTEND GUARDRAIL 25' ON WESTERN END OF GUADRAIL SYSTEM TO SHIELD ROADSIDE OBSTACLE											
4 LT. STA. 3296+00 (ENT. @ EXIT 59 SIGN)										20	
* CLEAN PIPE INLET AND OUTLET											
5 LT. STA. 3306+00 (INTER. TRUCK CENTER)										50	
* REPLACE EXISTING 24" PIPE, 50' OF 24" PIPE, 2-24" S&F INLET OUTLET, 50 TON CL 3 CHANNEL LINING											
6 LT. STA. 3318+75 - LT. STA. 3325+00	625										
7 LT. STA. 3336+00 TO (WINTER WAY)											
* INSTALL 60' OF 24" PIPE, 1 DBI TYPE 1 WITH SLOTTED GRATE, 1 24" S&F HDWL										10	
8 LT. STA. 3336+00 - LT. STA. 3343+50	812.5	812.5			1	738.5	1	2		45	
* FLUME @ LT. STA. 3339+75, STA. 3337+75, STA. 3341+75. (15 TON CL 3 CHANNEL LINING @ EACH FLUME)											
9 RT. STA. 3336+00 - RT. STA. 3351+50	1637.5	1638			2	1586	1	1		40	
* FLUME @ 3337+50 (25 TON CL 3 CH LINING), 3339+45 (15 TON CL 3 CH LINING)											
* ENTRANCE @ ROCKY POINT LANE, STA. 3336+00, EXTEND CURB INSIDE ENTRANCE RADIUS											
10 LT. STA. 3343+50 (PINE CONE ROAD)											
* EXTEND EXISTING 18" PIPE 50', CONSTRUCT 1 DBI TYPE 1, SEE SHEET C.											
LT. STA. 3344+50 - LT. STA. 3347+75	262.5								350		233.6
* CONSTRUCT 325 FT OF PAVED DITCH											

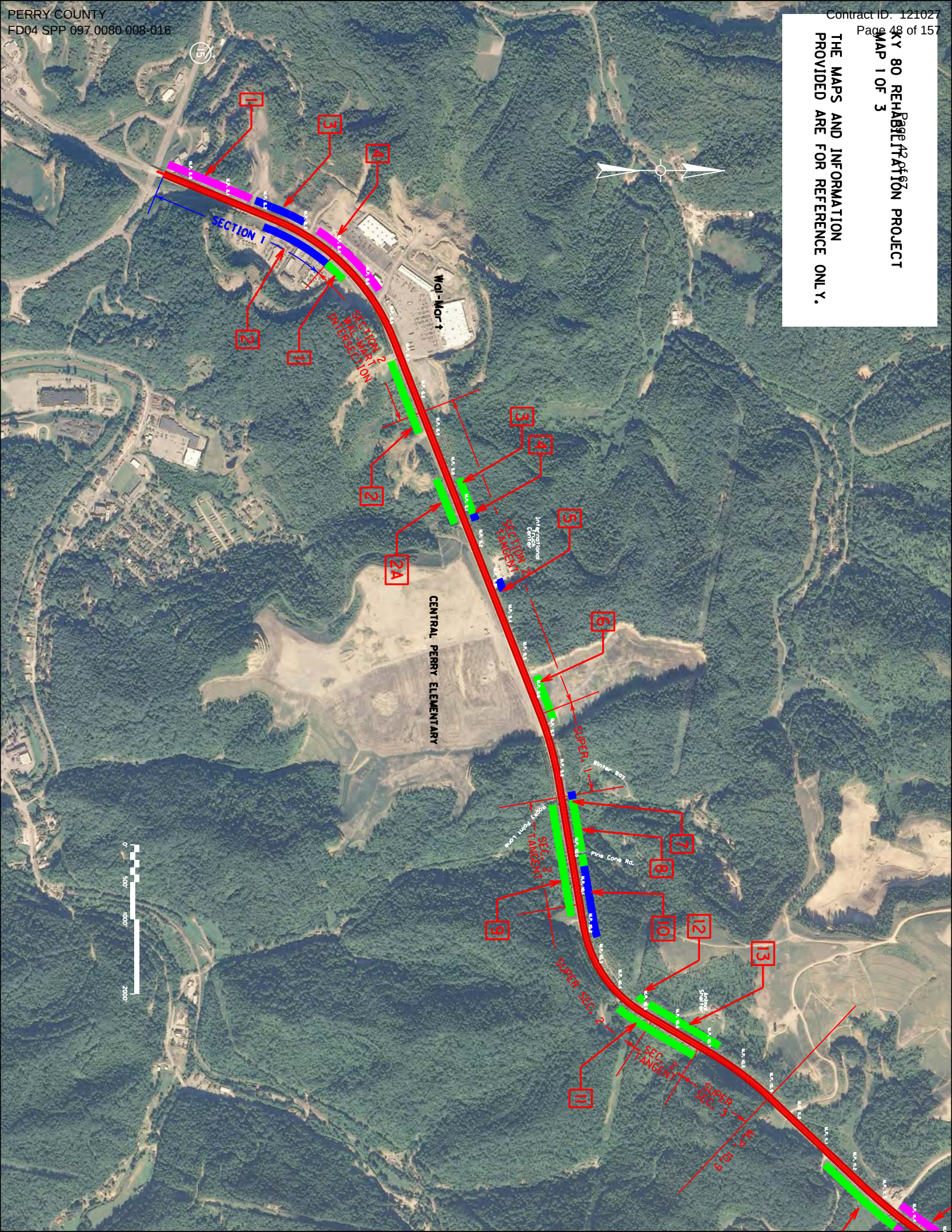
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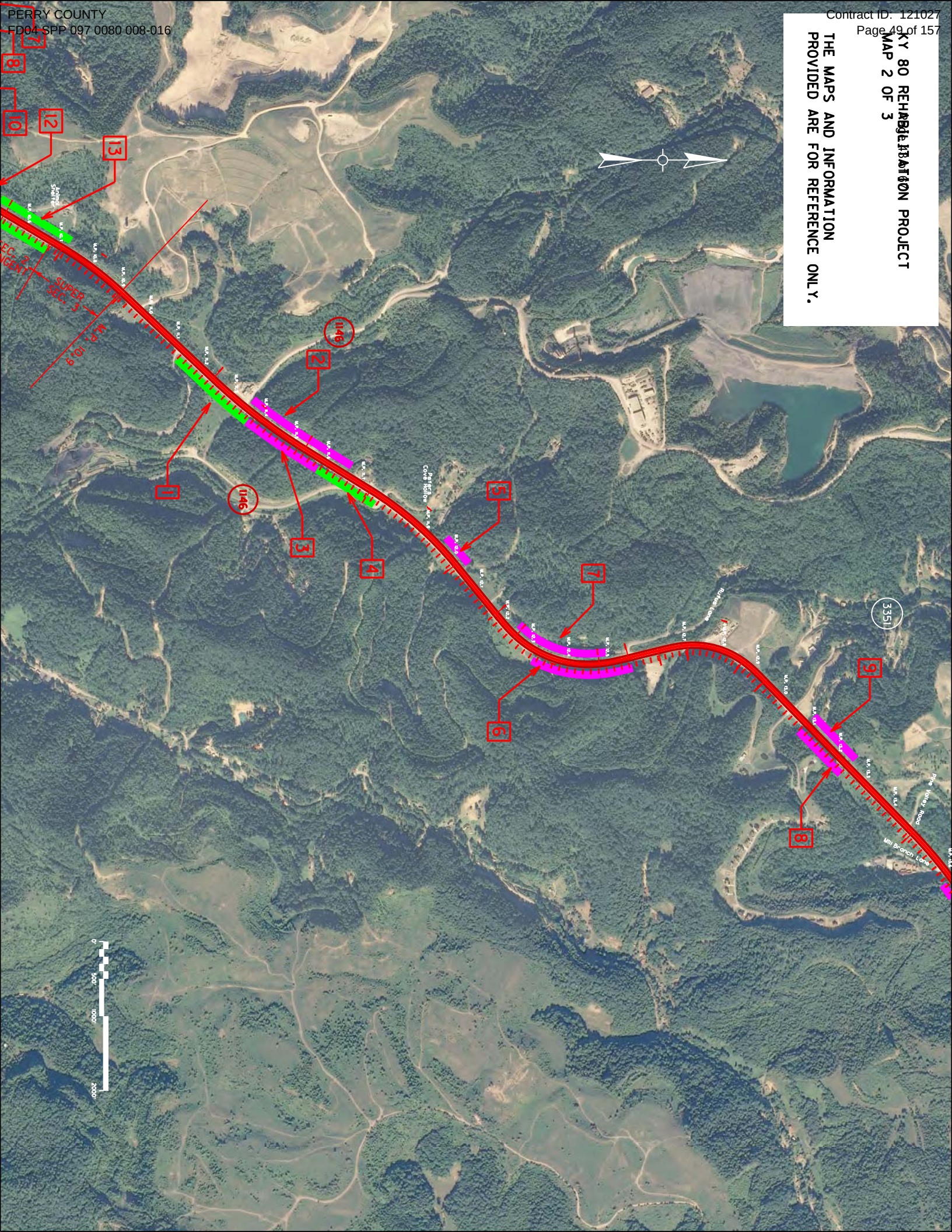
SECTION 3 CONSTRUCTION LOCATIONS AND NOTES (M.P. 10.9 TO KY 476/KY 80 INTERSECTION)

LOCATION	REMOVE GUADRAIL	GUARDRAIL	GUARDRAIL END TREATMENT		TERM. SEC. NO. 1	SHLDING	DITCHING		
			1	2A			L.F.	L.F.	
1. RT. M.P. 11.136 - M.P. 11.373	L.F. 1250	L.F. 1200	EACH 1	EACH	EACH 1	L.F.	L.F.		
NOTE: 145 TONS OF DGA BASE FOR SECTIONS WITH ROADWAY UNDERCUT									
2. LT. M.P. 11.355 - M.P. 11.582								1600	
3. RT. M.P. 11.373 - M.P. 11.583								1100	
4. RT. M.P. 11.583 - M.P. 11.753	900	850	1		1				
NOTE: 105 TONS OF DGA BASE FOR SECTIONS WITH ROADWAY UNDERCUT									
5. LT. M.P. 11.943 - M.P. 12.028								450	
6. RT. M.P. 12.296 - M.P. 12.561								1400	
7. LT. M.P. 11.759 - M.P. 12.000								1275	
8. RT. M.P. 13.082 - M.P. 13.234								800	
9. LT. M.P. 13.082 - M.P. 13.234								800	
10. RT. M.P. 13.624 - M.P. 13.810								1200	
11A. RT. M.P. 13.810 - M.P. 13.852	225	175	1		1				
11B. RT. M.P. 13.859 - M.P. 14.351								2600	
NOTE: 105 TONS OF DGA BASE FOR SECTIONS WITH ROADWAY UNDERCUT									
12. LT. M.P. 14.409 - M.P. 14.802								2080	
SUM	2375	2225	3		3			13305	
*QUANTITIES ON THIS SHEET HAVE BEEN CARRIED OVER AND INCLUDED IN THE GENERAL SUMMARY SHEET									

KY 80 REHABILITATION PROJECT
MAP 1 OF 3

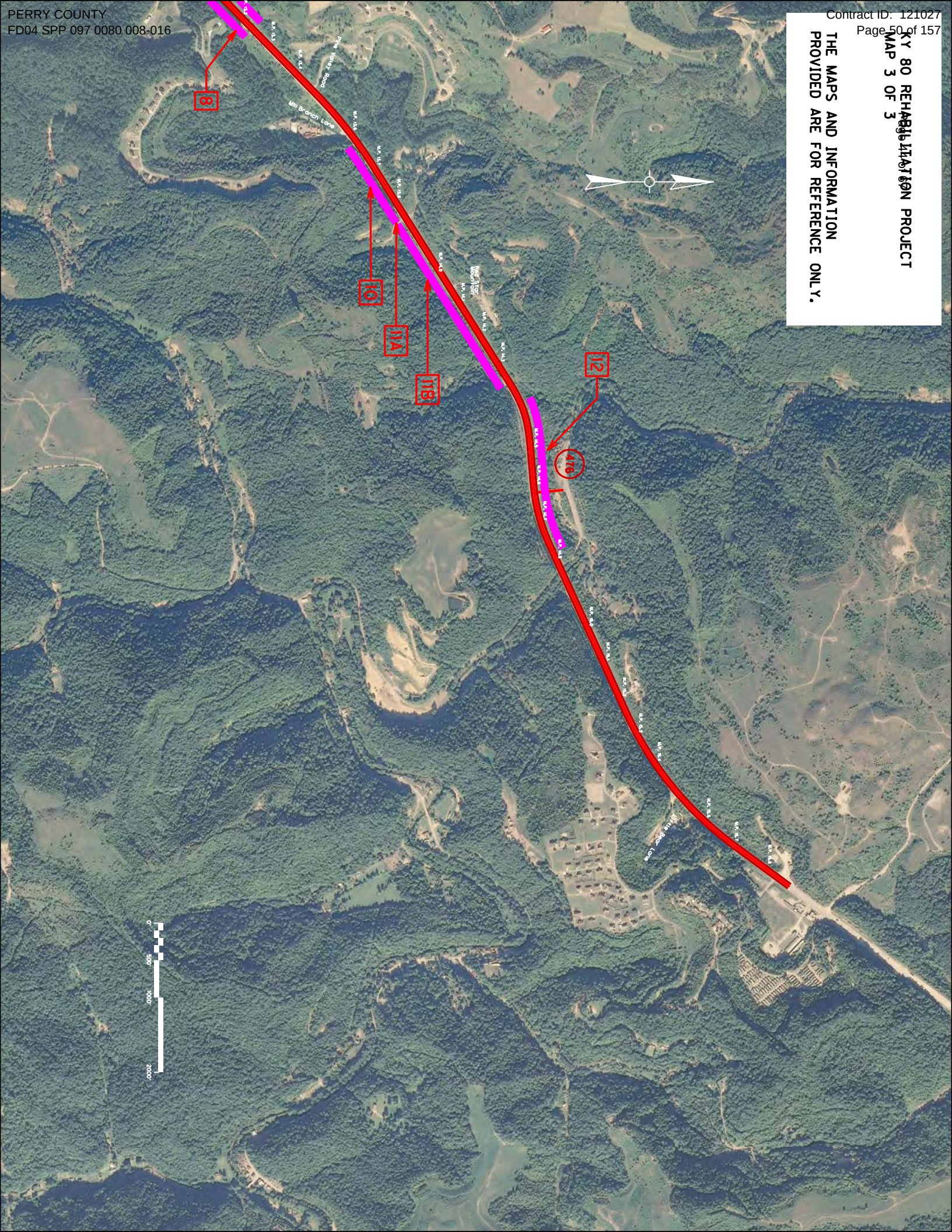
THE MAPS AND INFORMATION
PROVIDED ARE FOR REFERENCE ONLY.





**THE MAPS AND INFORMATION
PROVIDED ARE FOR REFERENCE ONLY.**

ky 80 Rehabilitation Project
MAR 3 OF 3



SPECIAL NOTE – MEMORANDUM OF AGREEMENT

CONTRARY TO THE TYPICAL SHOWN ON THE “DETAIL ‘II-A’ AND DETAIL ‘II-B’” IN THE PROPOSAL TYPICAL SECTIONS, THE ASPHALT MIXTURE AND THICKNESS BETWEEN STATION 3300+00 AND STATION 3328+10.00 SHALL MATCH THE TYPICALS SHOWN ON THE “KY 80 IMPROVEMENTS AND SCHOOL ACCESS ROAD” ROADWAY PLAN.

PROJECT NOTES

1. REMOVAL OF EXISTING ASPHALT WEDGE CURB AND GUARDRAIL FACE DURING THE CONSTRUCTION OF CONCRETE CURB ON SECTION 1 SHALL BE INCIDENTAL TO THE BID ITEM "ISLAND INTEGRAL CURB."
2. REMOVAL OF EXISTING ASPHALT WEDGE CURB ON SECTION 2 SHALL BE INCIDENTAL TO THE BID ITEM "PAVEMENT BREAKING AND SEATING."
3. ISLAND INTEGRAL CURBS SHALL BE CONSTRUCTED WITH #4 REBARS SPACING AT 5 FEET APART, THE BARS SHOULD BE DOWELED AND EPOXIED 6" INTO THE PAVEMENT AND 2" INTO THE CONCRETE CURB TO PROVIDE STABILITY. ALL THE NECESSARY WORKS AND MATERILS SHALL BE INCIDENTAL TO THE BID ITEM "ISLAND INTEGRAL CURB". REFER TO 'SHEET H' OF TYPICAL SECTIONS.
4. CONCRETE CURB SHALL BE TIED TO THE EXISTING AND PROPOSED FLUMES TO THE SATISFACTION OF THE ENGINEER TO PROVIDE PROPER AND POSITIVE DRAINAGE.
5. ISLAND HEADER CURBS SHALL BE CONSTRUCTED PRIOR TO THE PLACEMENT OF THE ASPHALT SURFACE LAYER.
6. SECTIONS WHERE EXISTING GUARDRAILS ARE TO BE REMAINING IN PLACE, CONTRACTOR IS RESPONSIBLE TO REMOVE MINIMAL PIECES OF GUARDRAIL TO ALLOW EQUIPMENT ACCESS BEHIND THE GUARDRAIL FOR SHOULDERING AND DITCHING OPERATIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL UNWANTED MATERIALS FROM SHOULDER AND DITCH, SUCH AS TREES, DEBRIS, LARGE BOULDERS AND OTHER MATERIALS, AND ARE CONSIDERED PART OF THE 'SHOULDERING' AND 'DITCHING' BID ITEMS.
8. BID ITEM "PERFORATED PIPE – 6 INCH" HAS BEEN ESTABLISHED FOR THE PAVEMENT EDGE DRAIN CONSTRUCTION IN THE EXISTING CONCRETE SHOULDERS. THE CONTRACTOR SHALL SAW CUT A NEAT LINE IN THE EXISTING CONCRETE SHOULDER PRIOR TO BREAKING, SEATING AND EDGE DRAIN TRENCH EXCAVATION. SAW CUTTING CONCRETE PAVEMENT AND SHOULDERS, FABRIC-GEOTEXTILE TYPE IV AND CRUSHED AGGREGATE SIZE NO. 57 SHALL BE INCIDENTAL TO THE PIPE.
9. PAVEMENT EDGE DRAIN SHALL BE OUTLETTED TO HEADWALL. OUTLETS TO HEADWALLS SHALL BE IN FILL SECTIONS WHENEVER POSSIBLE. OUTLET SPACING SHALL NOT EXCEED 800 FEET EXCEPT FOR GRADES 1% OR LESS, THEN

SPACING OF OUTLETS SHALL NOT EXCEED 500 FEET. OUTLET SPACING CAN BE EXTENDED TO 1000 FEET CUTS ONLY TO MOVE THE OUTLET TO A FILL SECTION, WITH THE APPROVAL OF THE ENGINEER. ALL SAGS SHALL HAVE AN OUTLET.

10. CONTRARY TO THE CRITERIA SHOWN ON THE “LONGITUDINAL PAVEMENT EDGE DRAIN (PERFORATED PIPE)” DETAIL, THE MINIMUM CRITERIA FOR NON-PERFORATED PIPE OUTLETS CAN BE MODIFIED IN CUT ONLY WHEN IT IS NECESSARY TO OUTLET PAVEMENT EDGE DRAINS IN NORMAL CUT DITCHES, WITH THE APPROVAL OF THE ENGINEER. THE MINIMUM SLOPE OF THE NON-PERFORATED PIPE SHALL BE ONE (1) PERCENT AND SIX (6) INCH MINIMUM FREEBOARD CAN BE ELIMINATED. THE DITCH FORE SLOPES CAN ALSO BE REDUCED FROM A DESIRABLE 4:1 SLOPES TO A MINIMUM 3.5:1 SLOPES. THE DITCH FORE SLOPES SHALL BE TRANSITIONED BACK TO THE DESIRABLE 4:1 SLOPES AS TO MINIMIZE THE LENGTH OF 3.5:1 SLOPES WHILE MAINTAINING POSITIVE DRAINAGE IN THE ROADWAY DITCH.
11. AREAS WHERE RUNS OF GUARDRAIL ARE TO BE ELIMINATED OR SHORTENED SHALL BE SITE GRADED TO THE SATISFACTION OF THE ENGINEER TO PROVIDE SMOOTH RECOVERY SLOPES. SITE GRADING SHALL BE INCLUDED IN THE BID ITEM “REMOVE GUARDRAIL.”
12. GUARDRAIL REMOVED FROM THE PROJECT IN LOCATIONS INDICATED IN THE PROPOSAL OR AS DIRECTED BY THE ENGINEER SHALL BE DELIVERED TO THE PERRY COUNTY MAINTENANCE LOT.
13. THE CONTRACT BID PRICE FOR EACH ITEM “ADJUST DRAINAGE STRUCTURE” SHALL INCLUDE ALL THE NECESSARY MATERIALS AND WORKS TO CLEAN ALL EXISTING DRAINAGE NETWORK AND ADJUST EXISTING MEDIAN DROP BOX INLETS AND SLOTTED DRAINS TO MATCH THE FINISHED GRADE AND PROVIDE PROPER AND POSITIVE DRAINAGE.
14. ALL MATERIALS REMOVED, EXCEPT ASPHALT MILLING, SHALL BE WASTED OFF THE PROJECT AT SITES SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER, AND SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK. THE CABINET IS NOT RESPONSIBLE FOR FINDING A WASTE SITE FOR EXCESS MATERIALS.
15. ALL ASPHALT MILLING SHALL BECOME THE PROPERTY OF THE HIGHWAY DEPARTMENT AND SHALL BE DELIVERED TO THE PERRY COUNTY MAINTENANCE LOT.
16. THE CONTRACTOR SHALL REMOVE THE EXISTING PAVEMENT MARKER LENSES AND KEEP CASTINGS IN PLACE PRIOR TO THE PAVEMENT BREAKING AND SEATING OPERATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL

AND DISPOSAL OF THE REMOVED PAVEMENT MARKER PARTS. REMOVAL OF THE LENSES IS INCIDENTAL TO THE BID ITEM 'PAVEMENT BREAKING AND SEATING'.

17. THE CONTRACTOR SHALL REMOVE ALL BITUMINOUS PATCHING MATERIAL PRIOR TO BREAKING AND SEATING. REMOVED MATERIAL, OTHER THAN ASPHALT MILLING, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE WASTED OFF THE PROJECT AT SITES SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALL THE ASPHALT MILLING SHALL BECOME THE PROPERTY OF THE HIGHWAY DEPARTMENT AND SHALL BE DELIVERED TO THE PERRY COUNTY MAINTENANCE LOT. THE COST OF REMOVAL AND DISPOSAL OF MATERIALS SHALL BE INCIDENTAL TO "PAVEMENT BREAKING AND SEATING." THE REMOVAL OF PATCHES IN EXCESS OF FIVE INCHES IN DEPTH WILL BE DETERMINED BY THE ENGINEER ON CONSTRUCTION.
18. DENSE GRADE AGGREGATE WEDGE SHALL BE CONSTRUCTED ON A MINIMUM SLOPE OF 1.5:1 ON EXISTING 2:1 FILL SLOPES AND 3.5:1 ON EXISTING 4:1 CUT SLOPES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
19. IF THE CONTRACTOR SO DESIRES AND APPROVED BY THE ENGINEER, CRUSHED STONE BASE MAY BE USED IN LIEU OF DENSE GRADED AGGREGATE FOR THE PURPOSE OF CONSTRUCTION WEDGE OR REFILLING UNDERCUT, AND SHALL BE PAID FOR AT THE CONTRACT UNIT BID PRICE FOR "DGA BASE."
20. CONTRACT BID ITEMS "FLUME TYPE 1" AND 'FLUME TYPE 2" SHALL INCLUDE ALL THE NECESSARY WORK TO REMOVE ANY EXISTING FLUMES AT THE PROPOSED FLUME LOCATIONS.
21. A QUANTITY OF CHANNEL LINING III IS PROVIDED FOR THIS PROJECT. A PORTION OF THIS QUANTITY OF CHANNEL LINING CLASS III, APPROXIMATELY 500 TONS, SHALL BE USED ON INLETS AND OUTLETS OF EXISTING ENTRANCE PIPES, EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
22. A MINIMUM TWO (2) FOOT WIDE 'FULL DEPTH' STRIP ADJACENT TO THE OUTSIDE EDGE OF THE PROPOSED SHOULDER SHALL BE PAVED AT ALL ENTRANCE LOCATIONS USING THE SHOULDER PAVEMENT DESIGN. THE REMAINDER OF THE ENTRANCE SHALL BE SURFACED IN KIND, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE LIMIT OF ENTRANCE PAVING SHALL BE AS DETERMINED BY THE ENGINEER.
23. STRIPPING VEGETATION AS NECESSARY FOR THE PROPOSED PAVEMENT CONSTRUCTION OR AS DIRECTED BY THE ENGINEER SHALL BE INCIDENTAL TO THE OTHER ITEMS OF WORK.

24. BID ITEM “PAVEMENT REPLACEMENT” HAS BEEN ESTABLISHED FOR REMOVE AND REPLACE EXISTING ASPHALT AND CONCRETE PAVEMENT NEAR KY 476 INTERSECTION. THE CONTRACTOR SHALL REPLACE THE REMOVED PAVEMENT SECTION ACCORDING TO SHEET ‘E’ OF THE TYPICAL SECTIONS. ALL THE NECESSARY MATERIALS AND LABOR ARE INCIDENTAL TO THE PAVEMENT.

STANDARD DRAWINGS APPLICABLE TO PROJECT

RBM-115-09	CONCRETE BARRIER WALL TYPE 9T (TEMPORARY)
RBE-100-09	CRASH CUSHION TYPE VI-BT & CT
RBR-001-11	STEEL BEAM GUARDRAIL (“W” – BEAM)
RBR-005-10	GUARDRAIL RAIL COMPONENTS
RBR-010-05	GUARDRAIL TERMINAL SECTIONS
RBR-015-04	GUARDRAIL POSTS
RBR-016-04	GUARDRAIL POSTS
RBR-020-05	GUARDRAIL END TREATMENT TYPE 1
RBR-025-04	GUARDRAIL END TREATMENT TYPE 2A
RBI-001-10	TYPICAL GUARDRAIL INSTALLATIONS
RBI-002-06	TYPICAL GUARDRAIL INSTALLATIONS
RBI-003-008	TYPICAL INSTALLATION FOR GUARDRAIL END TREATMENT TYPE 2A
RDB-001-11	DROP BOX INLET TYPE 1
RDB-005-08	DROP BOX INLET TYPE 5D
RDB-030-03	DROP BOX INLET TYPE 16 (DETAIL SHEET)
RDB-031-03	DROP BOX INLET TYPE 16 (STEEL SHEET)
RDB-032-03	DROP BOX INLET TYPE 16 (DETIAL AND BAR CHART FOR LID)
RDB-033-02	DROP BOX INLET TYPE 16 (DIMENSION AND QUANTITIES)
RDB-034-02	DROP BOX INLET TYPE 16 (ADDITIONAL STEEL – RISER)
RDB-035-03	DROP BOX INLET TYPE 16 (ADDITIONAL STEEL – CHAMBER)
RDB-105-05	SLOPED AND FLARED BOX INLET – OUTLET 18”-24”-30”-36”
RDB-101-04	GRATES FOR SLOPED BOX OUTLET TYPE 1

RDX-225	SILT TRAP TYPE B
RDX-101-04	SILT TRAP TYPE C
RDD-001-05	PAVED DITCH TYPE 1
RDD-020-06	FLUME INLET TYPE 1
RDD-021-07	FLUME INLET TYPE 2
RDD-040-04	CHANNEL LINING CLASS II AND III
RDP-001-05	PERFORATED PIPE TYPES AND COVER HEIGHTS
RDP-005-04	PERFORATED PIPE FOR SUBGRADE DRAINAGE ON TWO-LANE (CLASS 2) AND MULTILANE ROADS
RDP-010-08	PERFORATED PIPE HEADWALLS
RDI-001-09	CULVERT, ENTRANCE, & STORM SEWER PIPE TYPES & COVER HEIGHTS
RDI-020-08	PIPE BEDDING FOR CULVERT, ENTRANCE AND STORM SEWER PIPE
RDI-025-04	PIPE BEDDING TRENCH CONDITION
RDI-200-04	SLOTTED DRAIN PIPE (DETAIL SHEET)
RPM-011-05	MOUNTABLE MEDIAN
RMP-100-09	CURB AND GUTTER, CURB AND VALLEY GUTTER
RMP-110-06	APPROACHES, ENTRANCES AND MAIL BOX TURNOUT
RPN-015-04	JOINTED PLAIN CONCRETE PAVEMENT
RPX-010-04	PREFORMED COMPRESSION JOINT SEAL FOR CONC. PAVE.
RPX-020-05	SILICONE RUBBER SEALS FOR CONCRETE PAVEMENT
RPS-010-10	CONCRETE PAVEMENT JOINT DETAILS
RPS-020-13	EXPANSION AND CONTRACTION JOINT LOAD TRANSFER ASSEMBLES
TPM-100-02	PAVEMENT MARKER ARRANGEMENT MULTI-LANE ROADWAYS
TPM-105-02	PAVEMENT MARKER ARRANGEMENT MULTI-LANE ROADWAYS

TPM-150-01	CENTERLINE RUMBLE STRIPS
TTC-145-02	MEDIAN CROSS OVER CASE II
TTC-146-02	MEDIAN CROSS OVER CASE II
TTC-115-02	LANE CLOSURE MULTILANE HIGHWAY CASE I
TTC-120-02	LANE CLOSURE MULTILANE HIGHWAY CASE II
TTC-155-01	TEMPORARY PAVEMENT MARKER ARRANGEMENT FOR CONSTRUCTION ZONE
TTD-125-01	PAVEMENT CONDITION WARNING SIGNS
TTD-120-01	WORK ZONE SPEED LIMIT AND DOUBLE FINE SIGNS
RGS-002-05	SUPERELEVATION FOR MULTI-LANE PAVEMENT
RGS-001-06	CURVE WIDENING AND SUPERELEVATION TRANSITIONS
BGX-017-01	APPROACH SLAB

SEPIA LIST

- | | |
|--------------|-----------------------------------|
| 1. SEPIA 002 | DELINEATORS FOR GUARDRAILS |
| 2. SEPIA 004 | DELINEATORS FOR CONCRETE BARRIERS |
| 3. SEPIA 007 | GUARDRAIL END TREATMENT TYPE 2A |
| 4. SEPIA 008 | GUARDRAIL COMPONENTS |

GENERAL NOTE:

165 BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

435 PATCHING REMOVAL

REMOVE ALL ASPHALT PATCHING MATERIAL PRIOR TO BREAKING AND SEATING. THE MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE COST OF REMOVAL AND DISPOSAL OF PATCHING MATERIALS IS INCIDENTAL TO "BREAKING AND SEATING PAVEMENT".

444 ASPHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.

447 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (22MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATION. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

455 EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

650 STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

SPECIAL NOTE 1I PORTABLE CHANGEABLE MESSAGE SIGNS

SPECIAL NOTE 9Y FOR MATERIAL TRANSFER VEHICLE

SPECIAL PROVISION 69 EMBANKMENTS AT BRIDGE END STRUCTURES

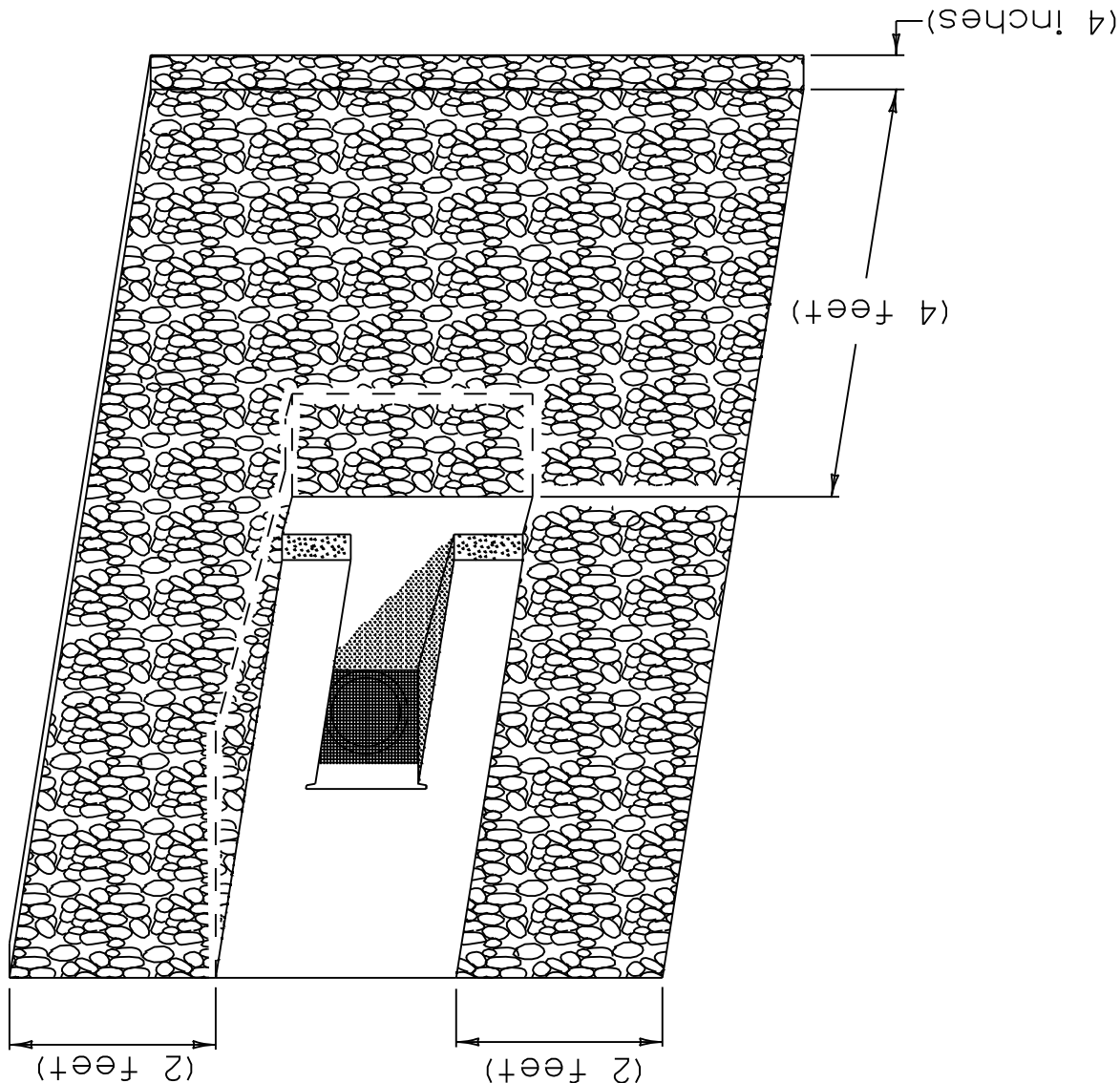
SPECIAL NOTE FOR PAVEMENT SUBSURFACE DRAINAGE OUTLET

Use approximately one ton of Crushed Aggregate Size No. 2 at all Perforated Pipe Headwall Outlets as illustrated in the detail below. Place Crushed Aggregate Size No. 2 to a minimum depth of 4" as detailed below.

Use Dense Graded Aggregate (DGA) removed during placement of the Crushed Aggregate Size No. 2 to dress existing shoulders where DGA is exposed. Waste other materials removed during placement of the Crushed Aggregate Size No. 2 as directed by the Engineer. The Department will make no direct payment for disposal of wasted material.

The Department will consider payment for Crushed Aggregate Size No. 2 as full compensation for all materials, labor, and other incidentals necessary to place Crushed Aggregate Size No. 2 for vegetation control and/or erosion control at pavement edge drain outlets.

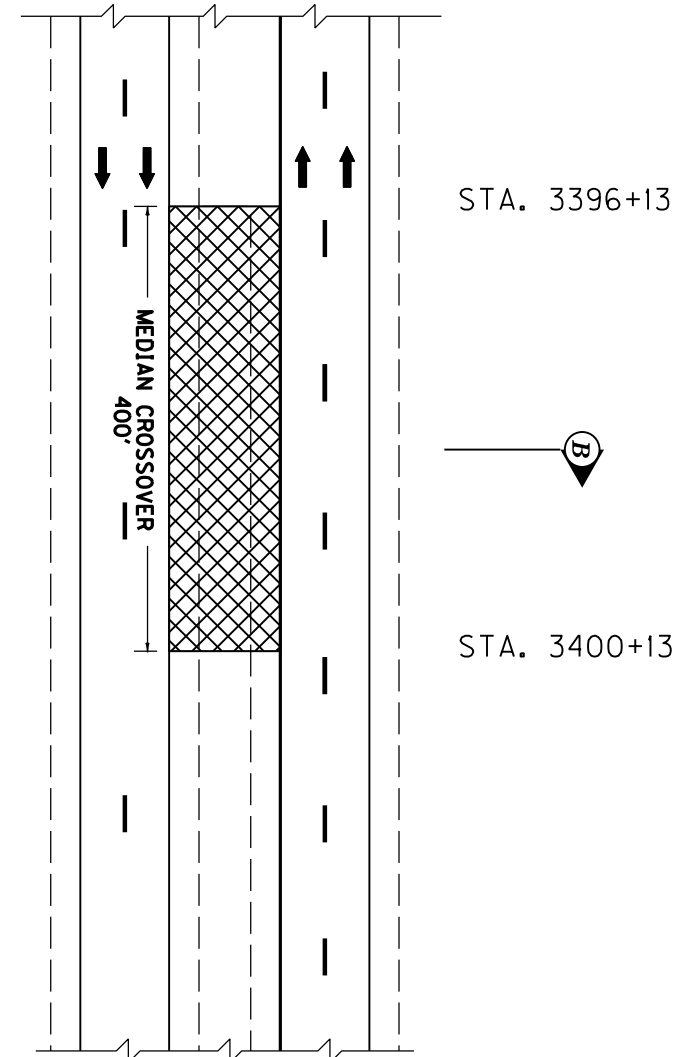
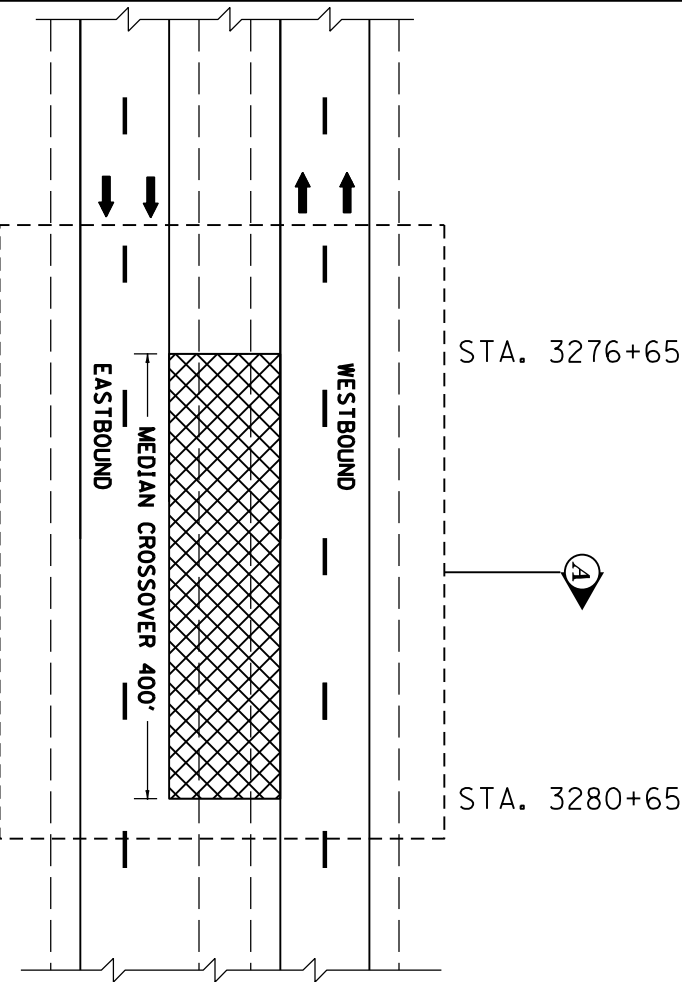
See current Standard Drawing RDP-010 for dimensions and other details.



Erosion Control notes

- 1. All silt control devices shall be sized to retain a volume of 3,600 cubic feet per disturbed contributing acre.**
- 2. The contractor shall conduct his operation to minimize the amount of disturbed ground during each phase of construction. The contractor shall compute the volume necessary to control sediment during each phase of construction. As work proceeds, silt traps/fences may be added or removed in order to achieve the best management plan.**
- 3. The required volume at each silt trap shall be computed as up gradient contributing areas are disturbed or are stabilized to the satisfaction of the Engineer. The required volume calculation for each silt trap shall be determined by the contractor and verified by the engineer. The required volume at each silt trap may be reduced by the following amounts:**
 - Up gradient areas not disturbed (acres).**
 - Up gradient areas that have been reclaimed and protected by erosion control blanket or other ground protection material such as temporary mulch (acres).**
 - Up gradient areas that have been protected by silt fence (acres). Areas protected by silt fence shall be computed at a maximum rate of 100 square foot per linear foot of silt fence.**
 - Up gradient areas that have been protected by silt traps (acres).**
 - The use of temporary mulch is encouraged.**
- 4. Silt trap type b shall always be placed at the collection point prior to discharging into a blue line stream or onto an adjacent property owner. Where overland flows exist, a silt fence or other filter devices may be used. Erosion control measures shall be in place and functioning prior to any excavation or disturbance within a drainage area.**
- 5. The contractor shall be required to clean out (remove sediment from) silt traps and silt fences whenever become one - half full and properly dispose of material at sites approved by the resident engineer.**

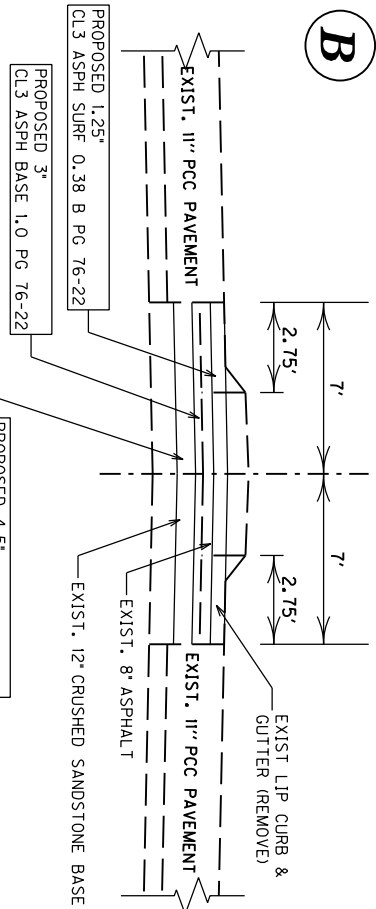
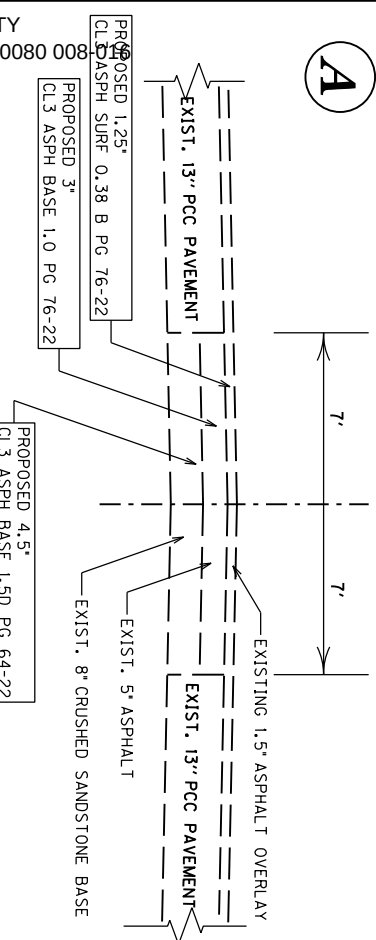
MEDIAN CROSS-OVERS



SEE MOT SHEET 2

A

B

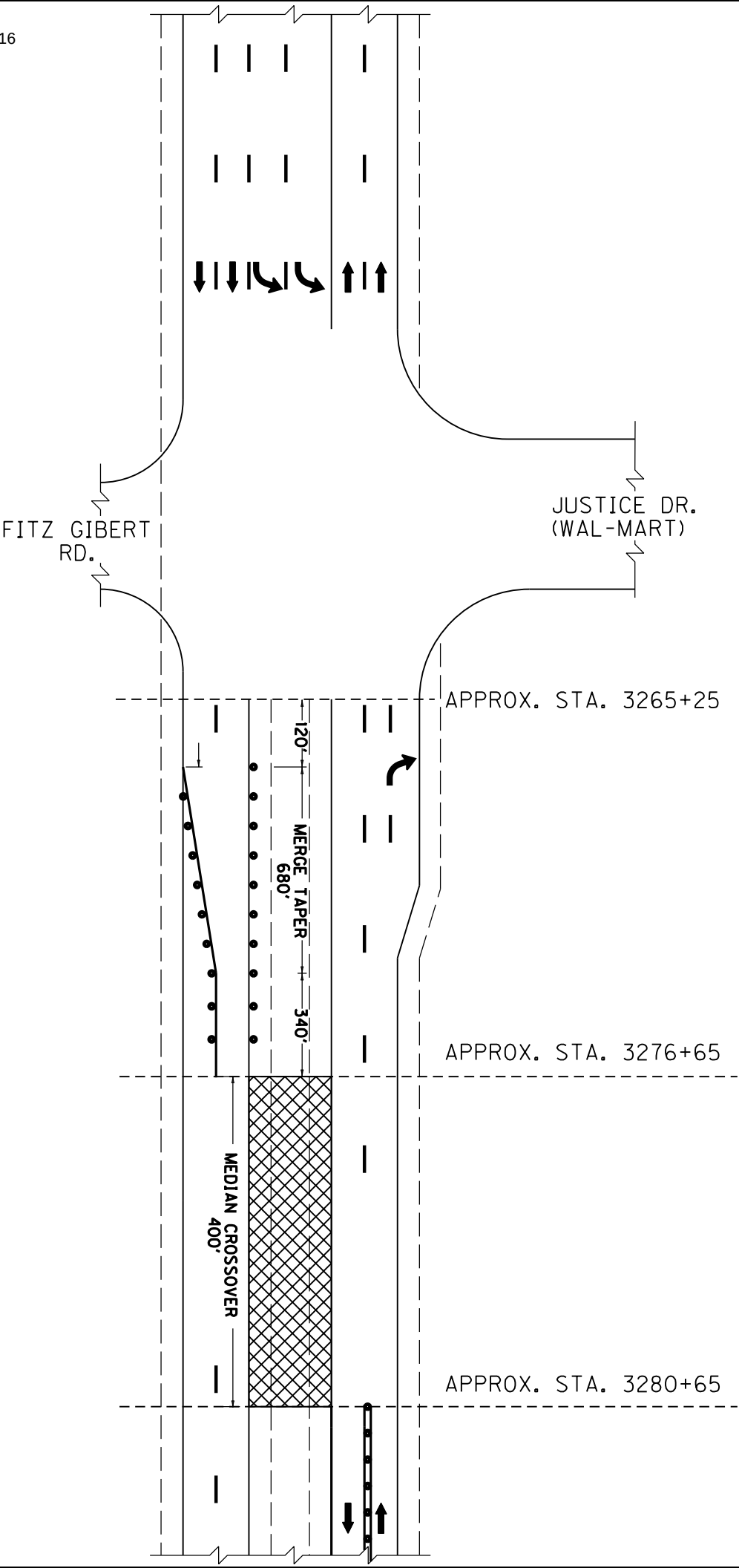


MOT 1

DRAWING NOT TO SCALE

ITEM # 10-161.00

MEDIAN CROSS-OVER
(WESTERN END - NEAR WAL-MART INTERSECTION)



DRAWING NOT TO SCALE

MOT 2

ITEM # 10-161.00

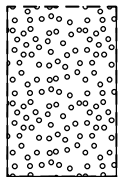
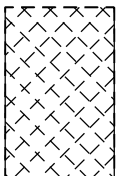
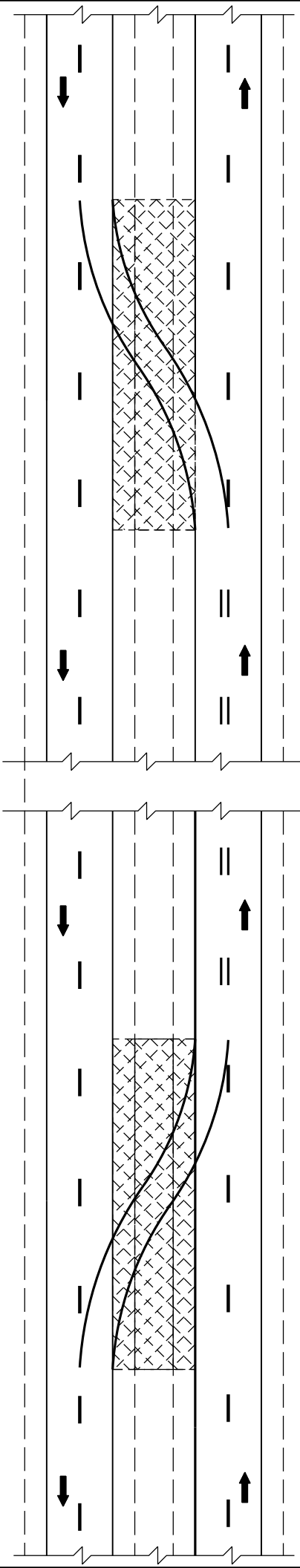
SECTION 2

PHASE 1
CLOSE THE INSIDE LANE OF BOTH EASTBOUND AND WESTBOUND KY 80

CONSTRUCT THE MEDIAN CROSSOVERS FROM STATION 3276+65 TO 3280+65 AND FROM STATION 3396+13 TO 3400+13 AS SHOWN ON THE MEDIAN CROSSOVER DETAIL SHEET.

APPLY TEMPORARY PAVEMENT MARKINGS TO ACCOMMODATE THE TWO-WAY, TWO-LANE ARRANGEMENT ON THE WESTBOUND PAVEMENT BY PLACING DOUBLE YELLOW CENTERLINES WITH "TYPE IVA BI-DIRECTIONAL YELLOW TEMP. PAVE. MARKERS" AT THE CENTER OF THE PAVEMENT AND A WHITE EDGE LINE ON THE MEDIAN SIDE EDGE OF THE PAVEMENT.

SET UP MEDIAN CROSSOVER CASE II AS DETAILED ON THE STANDARD DRAWINGS ATTACHED AND SHIFT EASTBOUND TRAFFIC TO THE MEDIAN CROSSOVERS AND THE WESTBOUND PAVEMENT. THE LOCATION AND LENGTH OF TEMPORARY CONCRTE BARRIER WALL AND CRASH CUSHIONS SHALL BE APPROVED BY THE ENGINEER.



CONSTRUCT THIS PHASE

PREVIOUSLY CONSTRUCTED

DRAWING NOT TO SCALE

PHASE 1

ITEM # 10-161.00

PHASE I
SAW CUT (OR OTHER METHODS APPROVED BY THE ENGINEER) THE EXISTING EASTBOUND CONCRETE PAVEMENT AND SHOULDERS AS NECESSARY FOR THE CONSTRUCTION OF THE PAVEMENT EDGE DRAINS AND OUTLETS.

BREAK AND SEAT THE EASTBOUND CONCRETE PAVEMENT AND SHOULDERS.

CONSTRUCT THE PAVEMENT EDGE DRAINS AND 3" DRAINAGE BLANKET-TYPE IV-ASPH. CAP OF THE EDGE DRAIN TRENCH IN THE MEDIAN.

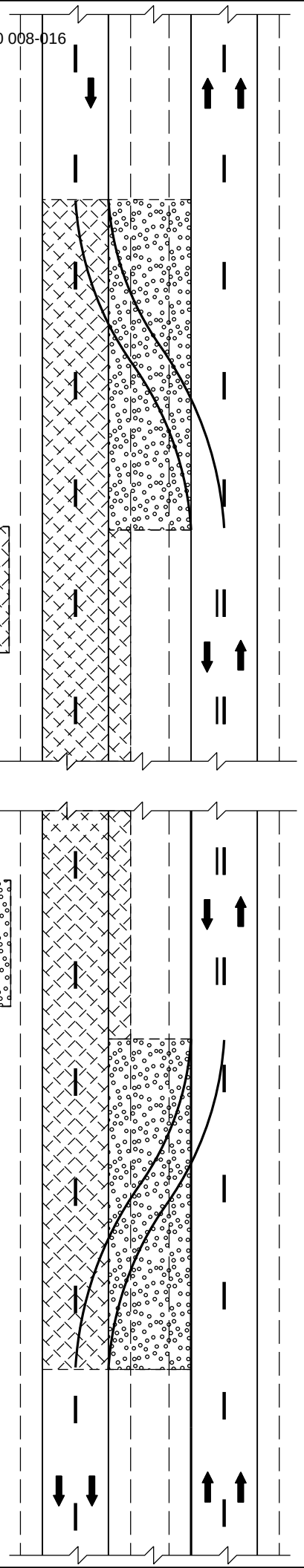
CONSTRUCT THE ASPHALT OVERLAY UP TO THE TOP LIFT OF THE ASPHALT BASE OF THE EXISTING EASTBOUND PAVEMENT INCLUDING CURB AND GUTTER ON SOUTH SIDE OF THE MEDIAN, AND THE TRANSITION AT EACH END OF THE PROJECT. SHIFT THE APPROACH AND ENTRANCE TRAFFIC DURING THE MAINLINE CONSTRUCTION AS SHOWN ON THE "PHASE IIA AND IIB INTERSECTION DETAIL."

CONSTRUCT THE APPROACH ROAD PAVEMENT UNDER TRAFFIC USING PART-WIDTH CONSTRUCTION.

THEN APPLY TEMPORARY PAVEMENT MARKINGS TO ACCOMMODATE THE TWO-WAY, TWO-LANE ARRANGEMENT ON THE EASTBOUND PAVEMENT BY PLACING DOUBLE YELLOW LINES WITH "TYPE IYA BI-DIRECTIONAL YELLOW TEMPORARY PAVEMENT MARKERS" AT THE CENTER OF THE PAVEMENT AND A WHITE EDGE LINE ON THE MEDIAN SIDE EDGE OF THE PAVEMENT.

SHIFT EASTBOUND TRAFFIC TO THE OUTSIDE LANE OF THE NEW EASTBOUND PAVEMENT.

SET UP MEDIAN CROSSOVER CASE II AS DETAILED ON THE STANDARD DRAWINGS ATTACHED, SHIFT WESTBOUND TRAFFIC TO MEDIAN CROSSOVERS AND EASTBOUND PAVEMENT. THE LOCATION AND LENGTH OF TEMPORARY CONCRETE BARRIER WALL AND CRASH CUSHIONS SHALL BE APPROVED BY THE ENGINEER. TEMPORARY CRASH CUSHIONS SHALL BE REQUIRED AT BOTH ENDS OF THE BARRIER WALL.



PHASE 2

CONSTRUCT THIS PHASE

PREVIOUSLY CONSTRUCTED

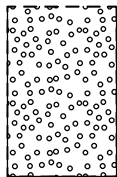
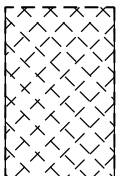
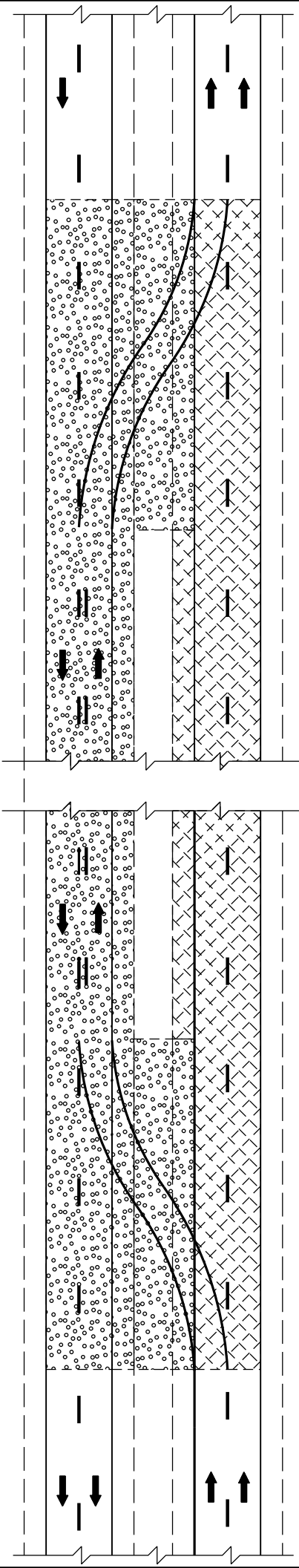
ITEM # 10-161.00

PHASE III
SAW CUT (OR OTHER METHODS APPROVED BY THE ENGINEER) THE EXISTING WESTBOUND CONCRETE PAVEMENT AND SHOULDERS AS NECESSARY FOR THE CONSTRUCTION OF THE PAVEMENT EDGE DRAINS AND OUTLETS.

CONSTRUCT THE PAVEMENT EDGE DRAINS AND THE 3" DRAINAGE BLANKET TYPE II-ASPH. CAP OF THE EDGE DRAIN TRENCHES IN THE MEDIAN, PAVEMENT AND SHOULDERS.

CONSTRUCT THE ASPHALT OVERLAY OF THE EXISTING EASTBOUND PAVEMENT INCLUDING THE CURB AND GUTTER ON THE NORTH SIDE OF THE MEDIAN AND THE TRANSITIONS AT EACH END OF THE PROJECT. SHIFT THE APPROACH AND ENTRANCE TRAFFIC DURING THE MAINLINE CONSTRUCTION AS SHOWN ON THE "PHASE IIA AND IIB INTERSECTION DETAIL."

CONSTRUCT APPROACH ROAD PAVEMENT UNDER TRAFFIC USING PART-WIDTH CONSTRUCTION.
THEN SHIFT WESTBOUND TRAFFIC TO THE OUTSIDE LANE OF THE NEW WESTBOUND PAVEMENT.



CONSTRUCT THIS PHASE

PREVIOUSLY CONSTRUCTED

PHASE 3

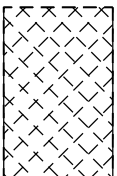
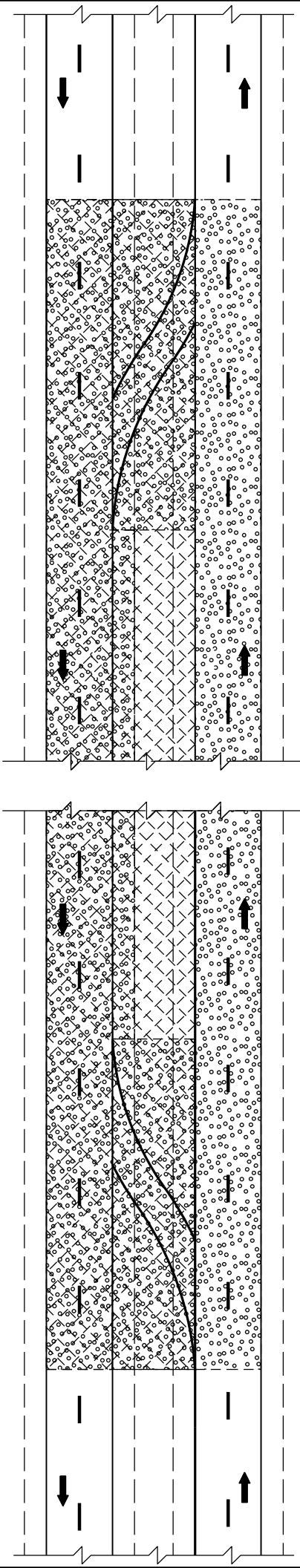
ITEM # 10-161.00

PHASE IV

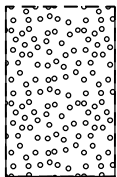
REMOVE THE CROSSOVERS AT EACH END OF THE PROJECT. SHIFT TRAFFIC TO THE OUTSIDE LANES AND COMPLETE THE MEDIAN THROUGHOUT THE PROJECT.

CONSTRUCT THE FINAL SURFACE COURSE OF THE EASTBOUND PAVEMENT, USE LEVELING AND WEDGING AS DIRECTED BY THE ENGINEER.

RESTORE ALL PERMANENT PAVEMENT MARKINGS.

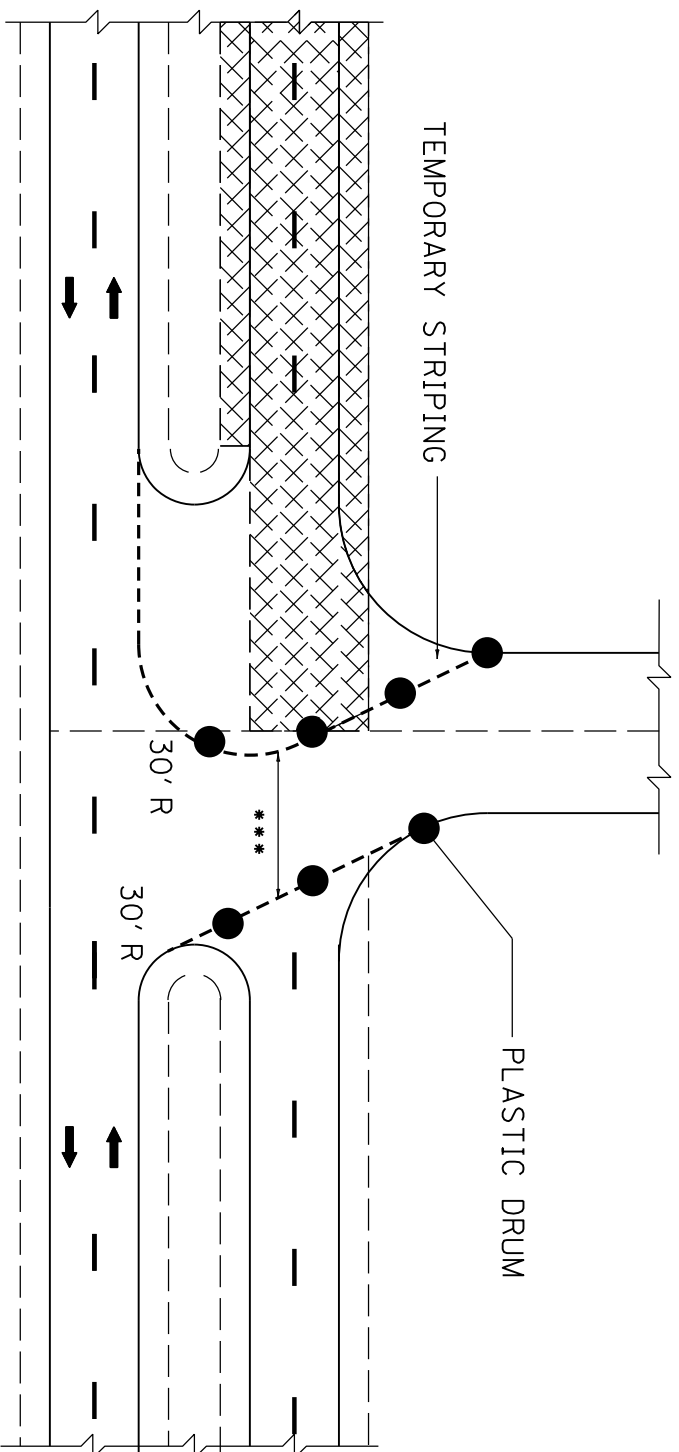


CONSTRUCT THIS PHASE

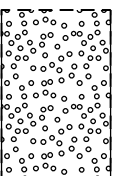
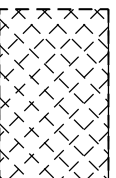


PREVIOUSLY CONSTRUCTED

INTERSECTION DETAIL
(TRAFFIC CONTROL PHASE IIA AND IIIA)



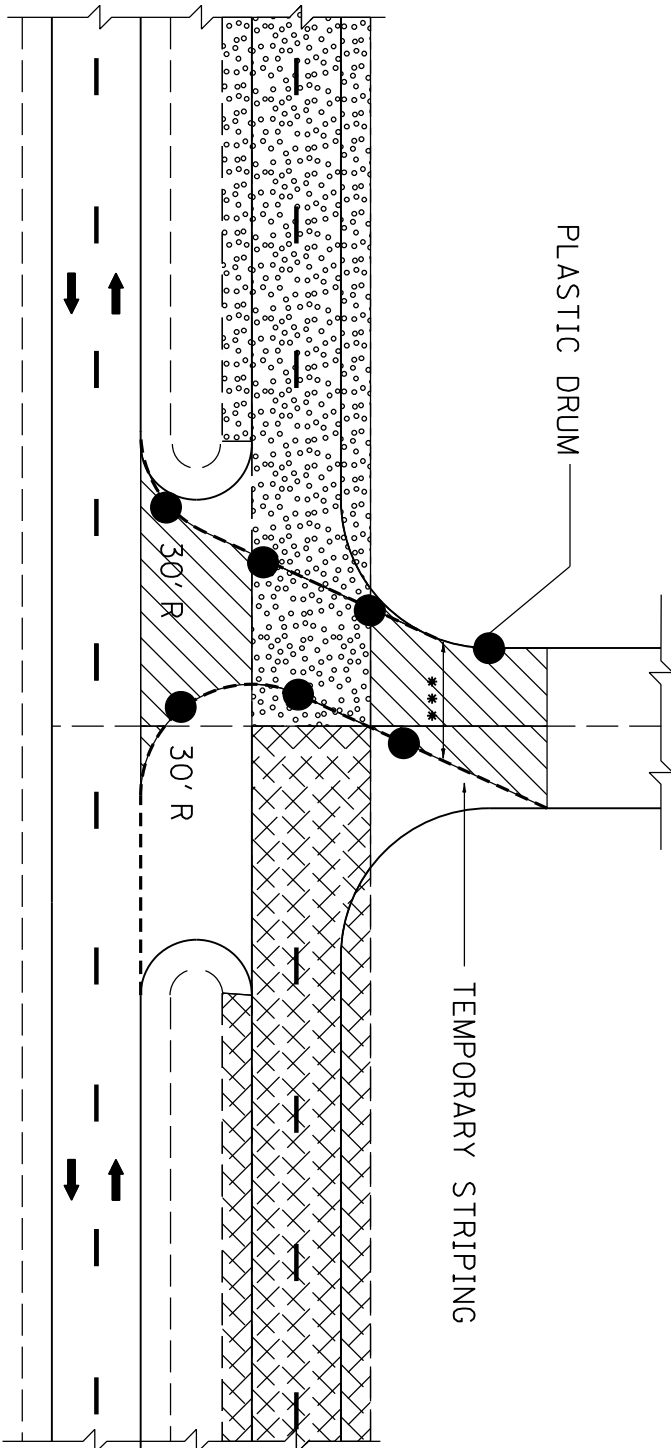
MATCH EXISTING ENTRANCE/ACCESS ROAD WIDTH



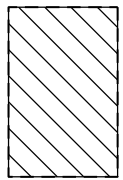
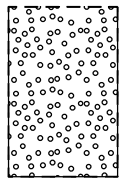
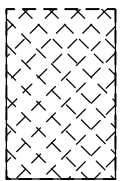
CONSTRUCT THIS PHASE

PREVIOUSLY CONSTRUCTED

INTERSECTION DETAIL
(TRAFFIC ONTROL DETAIL PHASE IIB AND IIIB)



*** MATCH EXISTING ENTRANCE/ACCESS ROAD WIDTH



CONSTRUCT THIS PHASE PREVIOUSLY CONSTRUCTED TEMP. PAVEMENT

LANE CLOSURES

- WESTBOUND

PHASE 1
KEEP THE OUTSIDE LANE OF WESTBOUND TRAFFIC OPEN WHILE REMOVE/REPLACE PAVEMENT ON THE INSIDE LANE OF SECTION A AND SECTION C AS SHOWN ON THE DRAWING.

PHASE 2

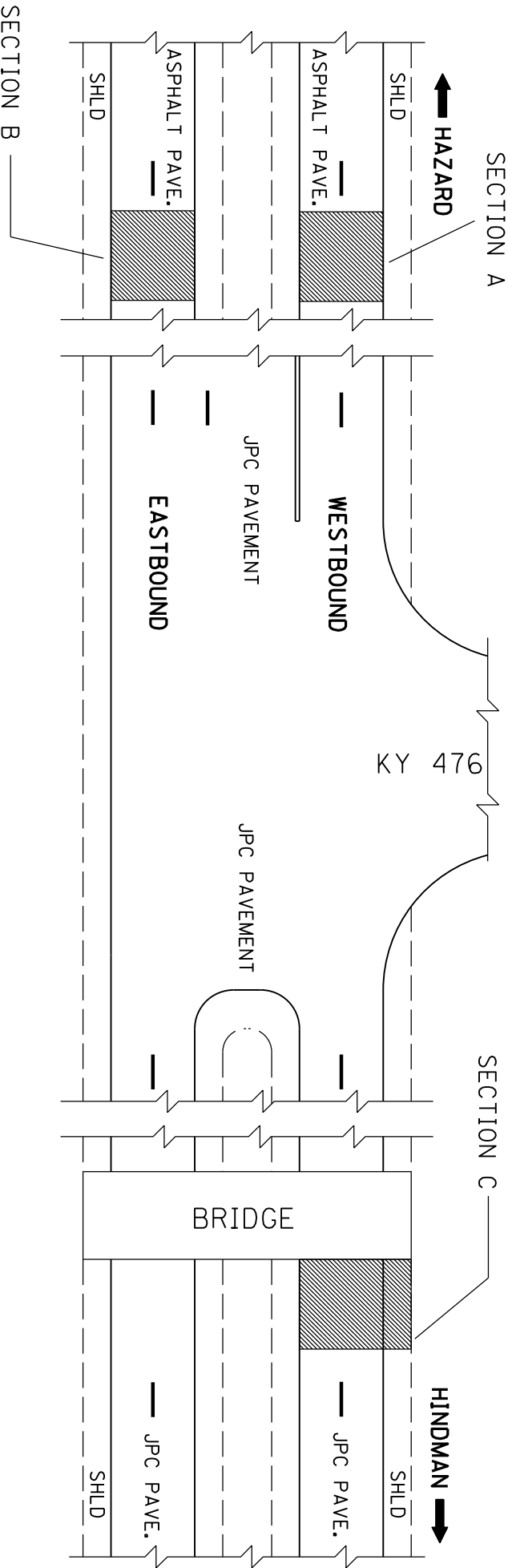
SWITCH THE TRAFFIC TO INSIDE LANE AND REMOVE/REPLACE PAVEMENT ON THE OUTSIDE LANE.

-EASTBOUND

PHASE 1
KEEP THE OUTSIDE LANE OF EASTBOUND TRAFFIC OPEN WHILE REMOVE/REPLACE PAVEMENT ON THE INSIDE LANE OF SECTION B AS SHOWN ON THE DRAWING.

PHASE 2

SWITCH THE TRAFFIC TO INSIDE LANE AND REMOVE/REPLACE PAVEMENT ON THE OUTSIDE LANE.



KY 476/KY 80 INTERSECTION

NOT TO SCALE

LANE
CLOSURE

ITEM # 10-161.00

Traffic Control Plan

1. Traffic shall be maintained in accordance with the current editions of the Manual on Uniform Traffic Control Devices, the Standard Specifications for Road and Bridge Construction and the Standard Drawings.
2. The Engineer and the contractor, or their authorized representatives, shall review the signing before traffic is allowed to use any lane closures, crossovers or detours. All signing shall be approved by the Engineer before work can be started by the contractor.
3. The contractor shall schedule a review of final striping plans prior to placement with project Traffic Engineer.
4. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic" as set forth in the current Standard Specifications for Road and Bridge construction unless otherwise provided for in these notes. The lump sum bid to "Maintain and Control Traffic" shall also include, but is not limited to, the following items and operations:
 - A. All labor and materials necessary for construction and maintenance of traffic control devices and markings.
 - B. All flag persons and traffic control devices such as, but not limited to, flashers, signs barricades and vertical panels, plastic drums (steel drums will not be permitted) and cones necessary for the control and protection of vehicular and pedestrian traffic as specified in these notes, the plans, the MUTCD or the Engineer.
 - C. All grading and necessary drainage for the temporary roadway and removal thereof when it is no longer needed.
5. Any temporary traffic control items, devices, materials and incidentals shall remain the property of the contractor when no longer needed.
6. The contractor shall maintain a two-lane traveled way with a minimum lane width of 11 feet. However, during working hours, one-way traffic may be allowed at the discretion of the Engineer, provided adequate signing and a flag person are at the location.

7. The contractor shall completely cover any signs, either existing, permanent or temporary, which do not properly apply to the current traffic phasing, and shall maintain the covering until the signs are applicable or are removed.

8. In general, all traffic control devices shall be placed starting and proceeding in the direction of the flow of traffic and removed starting and proceeding in the direction opposite the flow of traffic.

9. All Kentucky Department of Highways signs (non-essential and non-directional) shall be removed by the contractor at the direction of the Engineer. The contractor is advised to schedule sign removal with the engineer. Signs and posts shall be separated, bonded on pallets and delivered to the Breathitt Traffic Barn.

10. If traffic should be stopped due to construction operations and an emergency vehicle on an official emergency run arrives at the scene, the contractor shall make the provisions for the passage of that vehicle as quickly as possible.

11. The contractor's vehicles shall always move with and not against the flow of traffic. Vehicles shall enter and leave work areas in a manner which not be hazardous to or interfere with normal traffic. Vehicles shall not park or stop except within work areas designated by the Engineer.

12. Remove all pavements marking by water blasting process to the satisfaction of the Engineer.

13. Pavement Drop-Off

A pavement edge that traffic is not expected to cross, except accidentally, should be treated as follows:

- Less than two inches - no protection required. Warning signs should be placed in advance and throughout the drop-off area.
- Two to four inches - plastic drums, vertical panels or barricades every 100 feet on tangent sections for speeds of 50 mph or greater.

Cones may be used in place of plastic drums, panels and barricades during daylight hours. For tangent sections with speeds less than 50 mph and for curves, devices should be placed every 50 feet. Spacing of devices on tapered sections should be in accordance with the Manual on Uniform Traffic Control Devices, current edition.

- Greater than four inches - positive separation or wedge with 3:1 or flatter slope needed. If there is five feet or more distance between the edge of the pavement and the drop-off, then drums, panel, or positive separation is strongly encouraged. If concrete barriers are used, special

reflective devices or steady burn lights should be used for overnight installations. Barricades may be used if the drop-off is greater than 12 inches.

For temporary conditions, drop-offs greater than four inches may be protected with plastic drums, vertical panels or barricades for short distances during daylight hours while work is being done in the drop-off area.

Payment will be allowed for DGA, CSB and other suitable materials used for wedging.

14. Payment for speed limit signs (including mounting hardware and posts) for advisement of reduced speeds Through the Work Zone shall be erected while the Contractor is working and be included in the lump sum bid to "Maintain and Control Traffic."

15. The contractor shall provide portable flashing arrows at the locations indicated on the standard drawing "Median Crossing Case II" and shall meet the requirements specified in the current standard drawings. The portable flashing arrows shall be mounted on traffic-worthy carriages that meet all applicable safety standards.

The contractor shall have available one reserve flashing arrow to be placed in operation in the event of damage or mechanic/electrical failure. No direct payment will be allowed for the reserve unit. All flashing arrows shall become the property of the contractor at the completion of the project.

16. If the contractor desires to deviate from the traffic control scheme and construction schedule as outlined in the project Maintain of Traffic Plan, he/she shall prepare an alternate plan and present it in writing to the Engineer. This alternate plan can be used only after reviewed and approved by the Division of Traffic, Design and Construction and the Federal Highway Administration, and other agencies where applicable.

17. Payment for installing Temporary Concrete median Barrier shall be included in the bid item "Temporary Concrete Median Barrier."

DATE: \$\$\$\$DATE\$\$\$\$

FILE NAME: \$\$\$\$design\$file\$specification\$\$\$\$

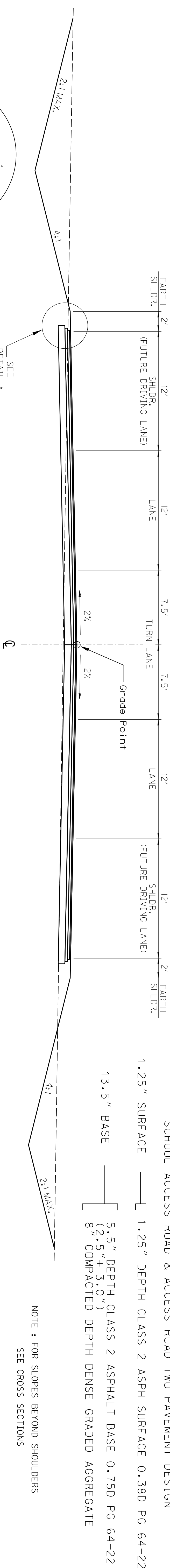
E-SHEET NAME:

NAME.DGN

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

TYPICAL SECTIONS - KY 80 & SCHOOL ACCESS RD.

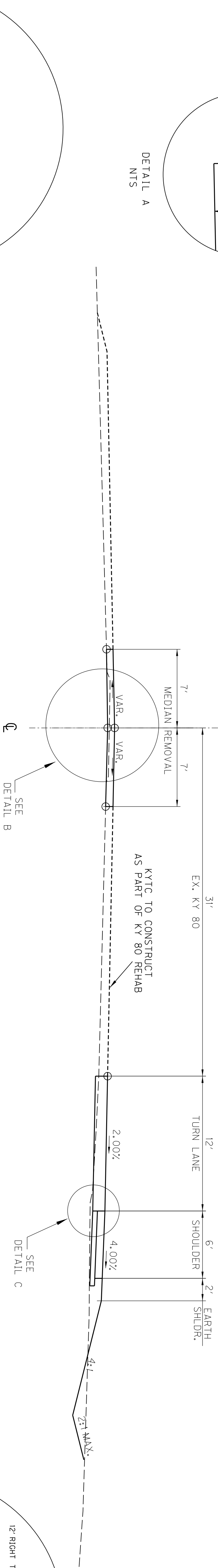
COUNTY OF	ITEM NO.	SHEET NO.
PERRY		R2



NOTE : FOR SLOPES BEYOND SHOULDERS
SEE CROSS SECTIONS

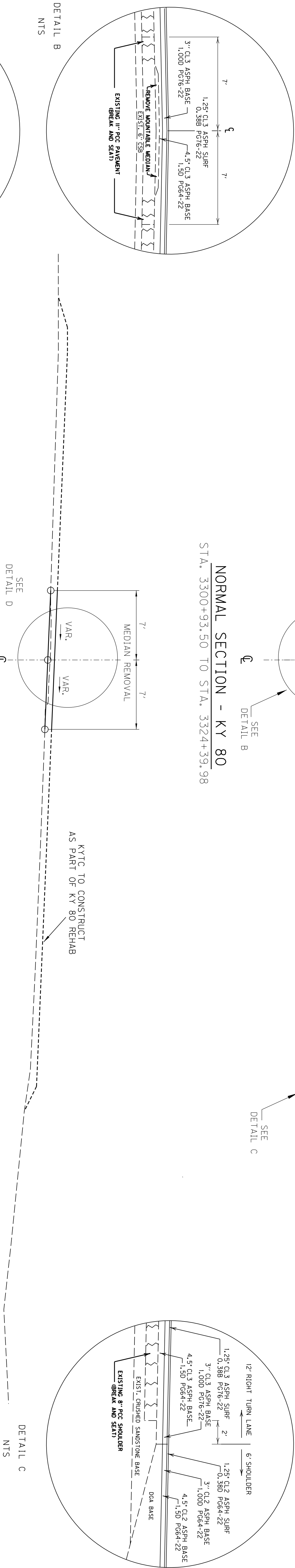
NORMAL SECTION - SCHOOL ACCESS RD. & ACCESS RD. TWO

STA. 31+82.94 TO STA. 49+57
STA. 69+00 TO STA. 69+57



NORMAL SECTION - KY 80

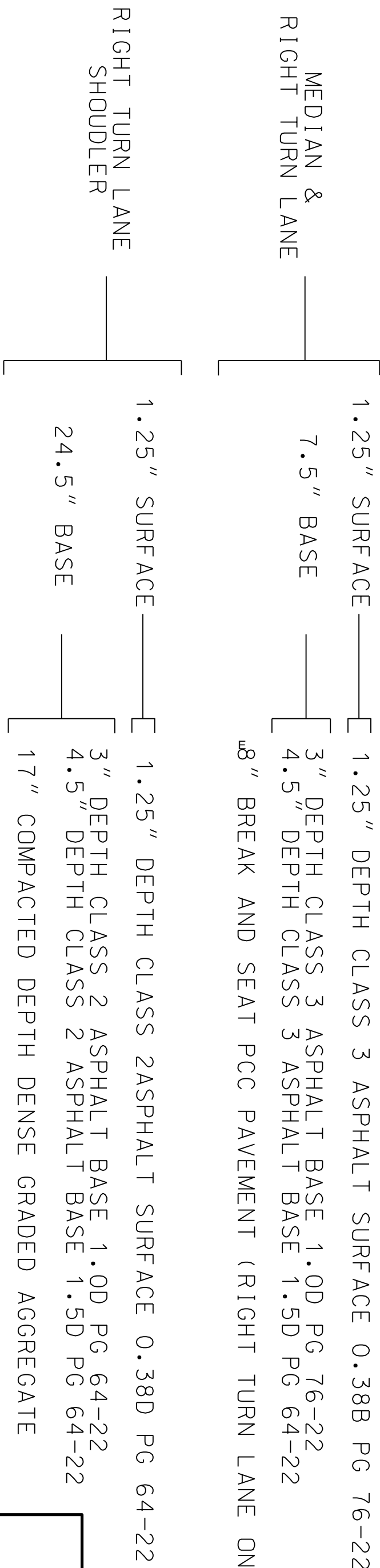
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SUPERELEVATED SECTION - KY 80

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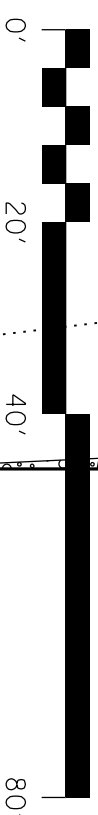
KY 80 MEDIAN & TURN LANE PAVEMENT DESIGN



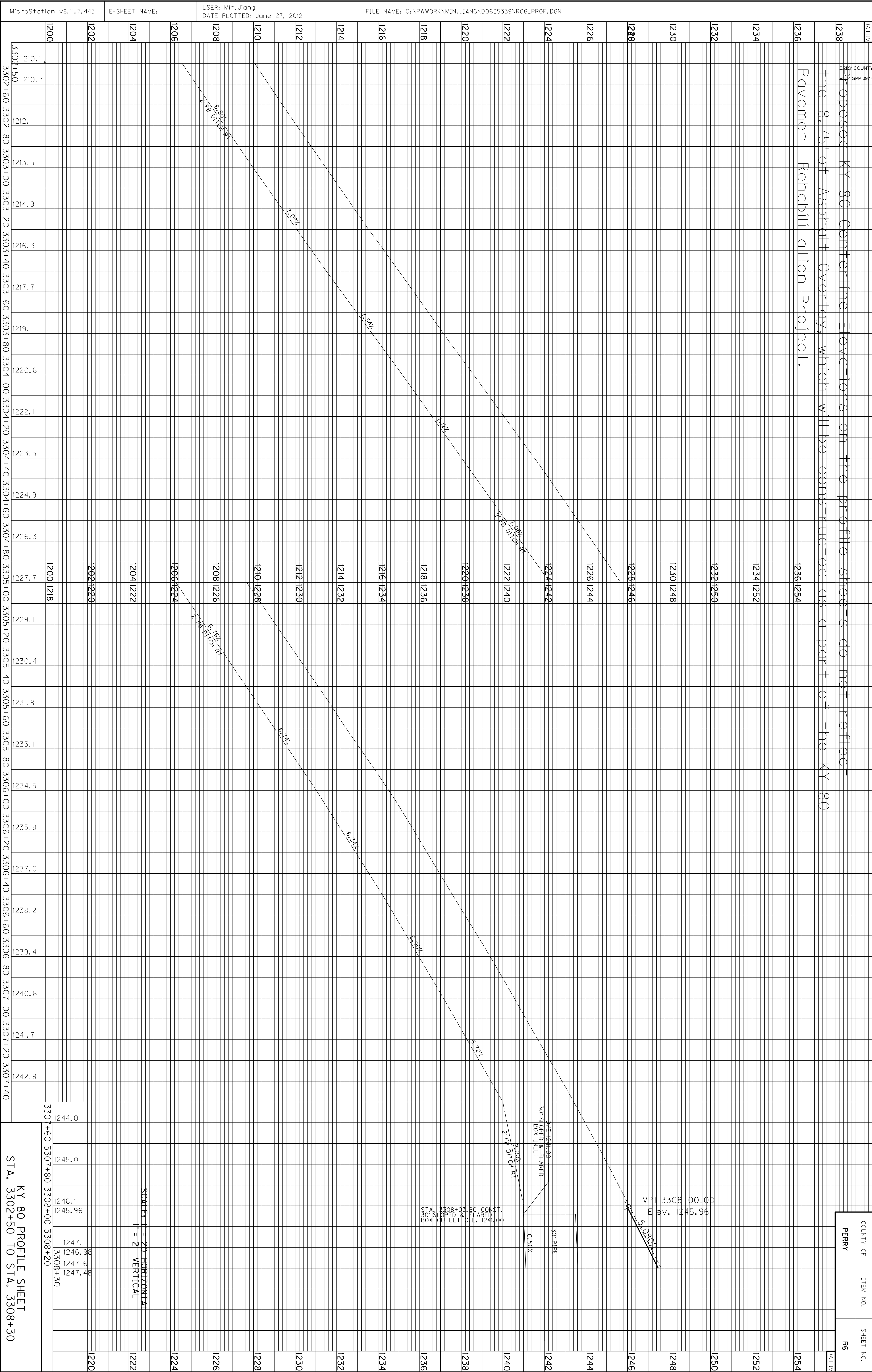
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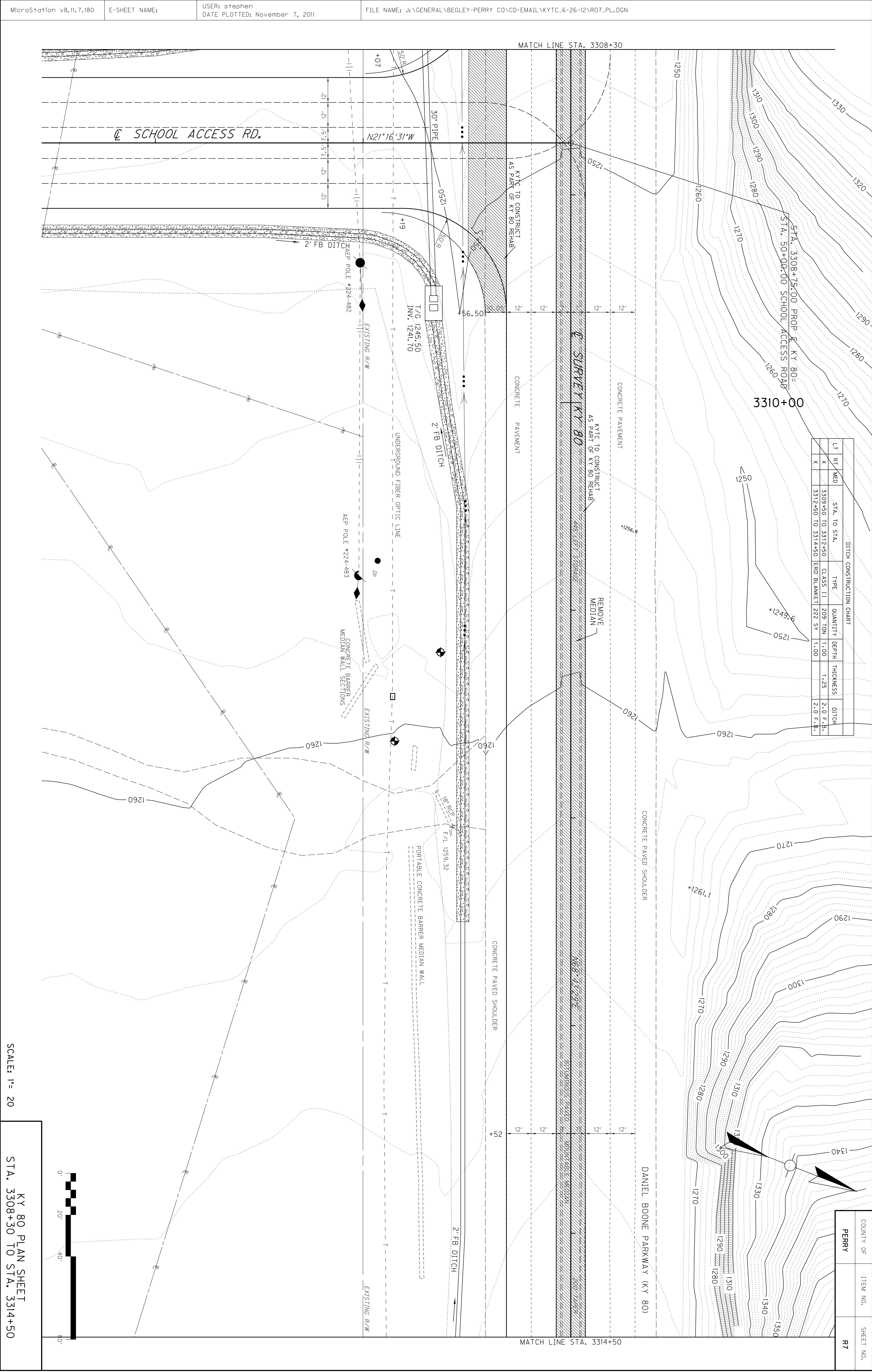
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TYPICAL SECTIONS

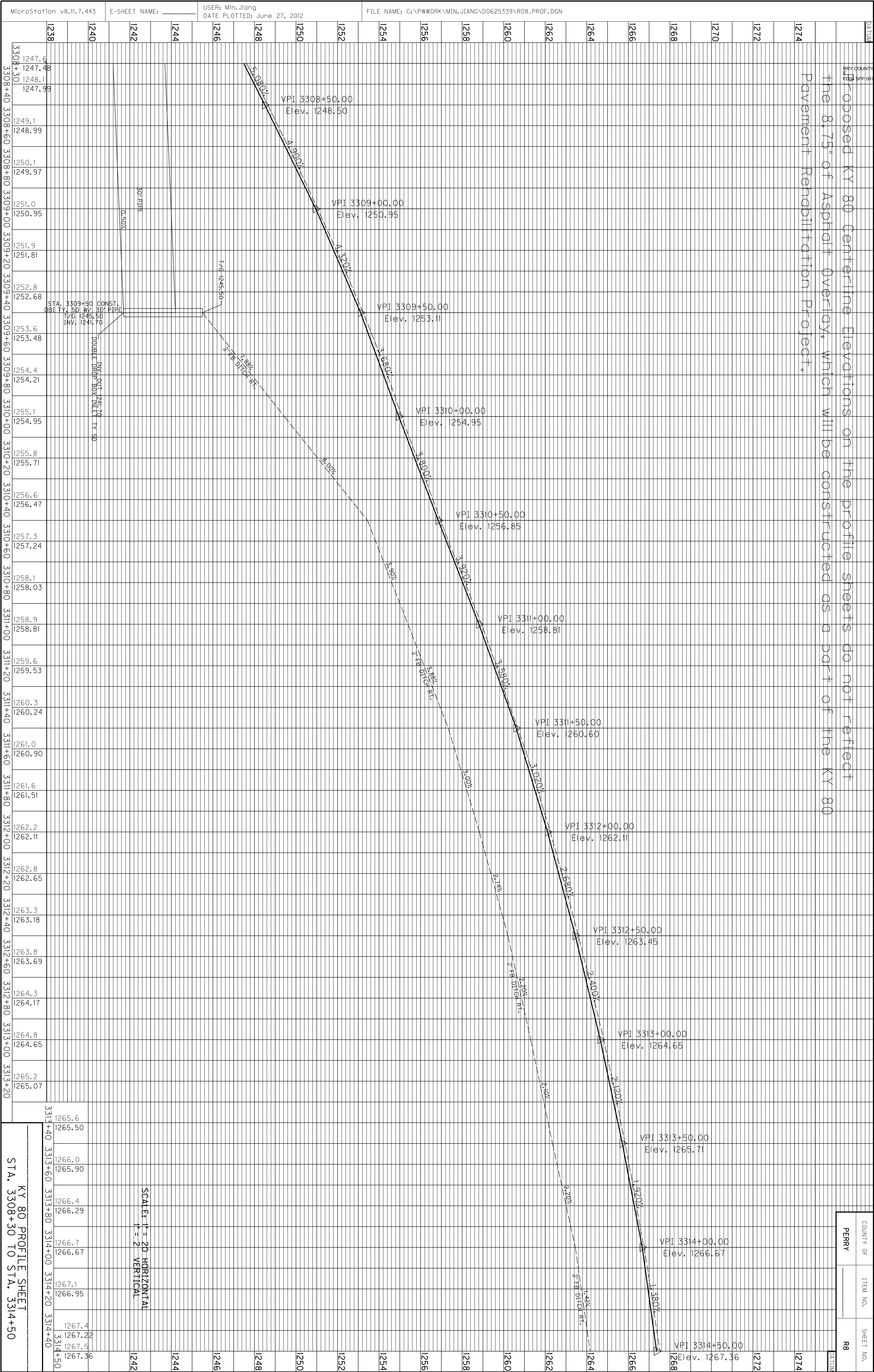
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PERRY		R5

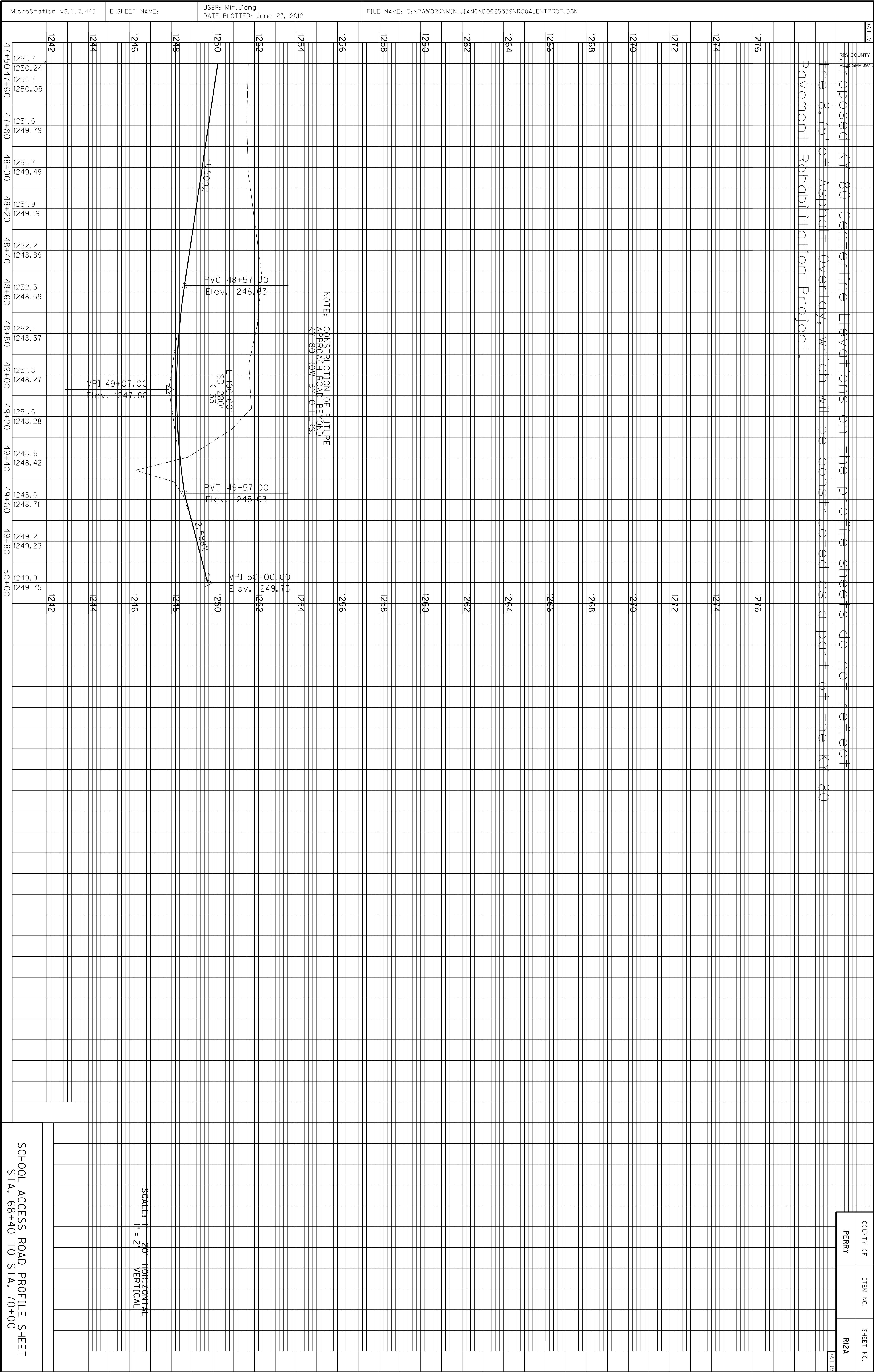


KY 80 PLAN SHEET
STA. 3302+50 TO STA. 3308+30

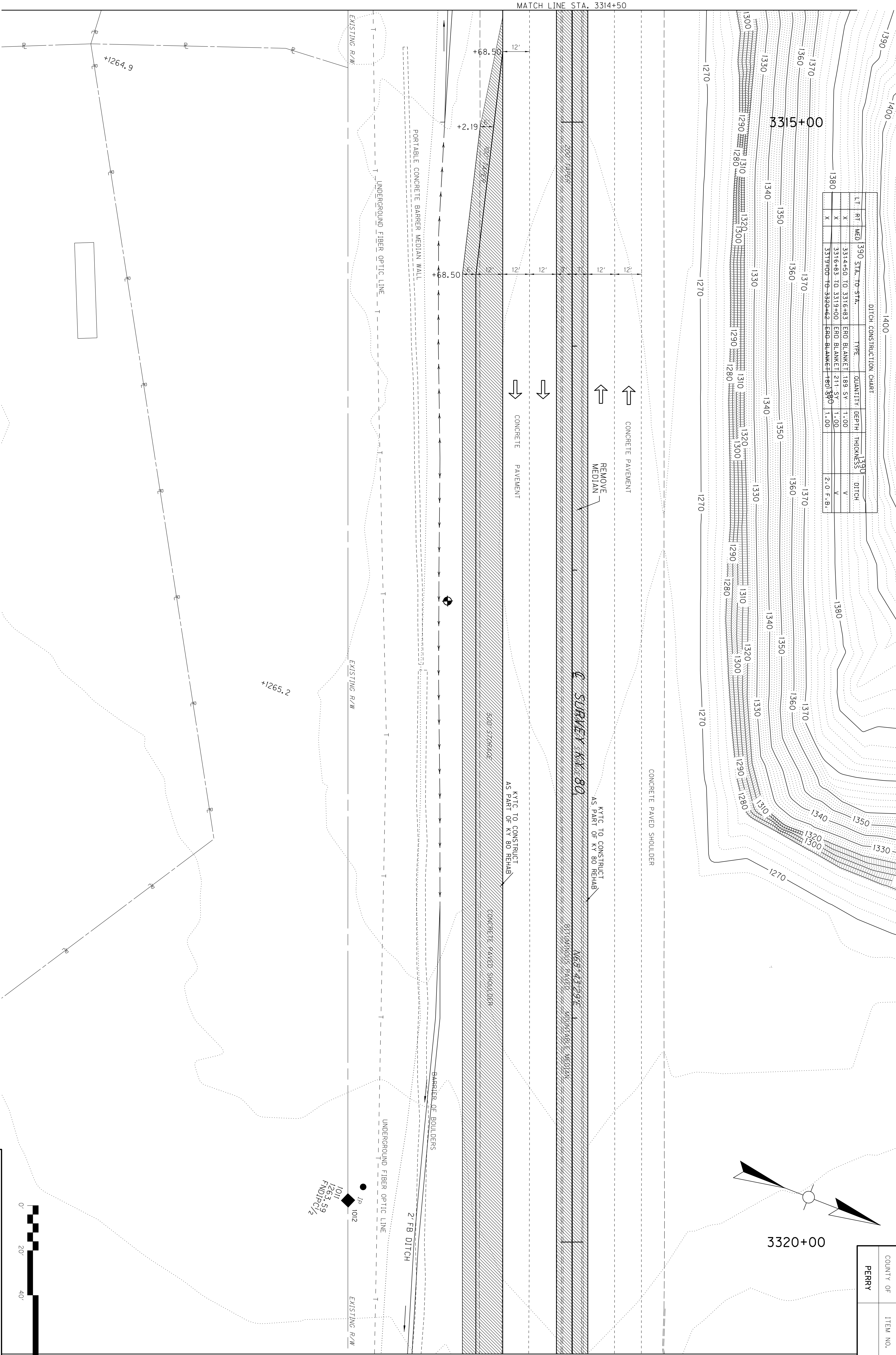






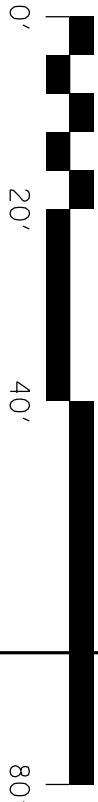


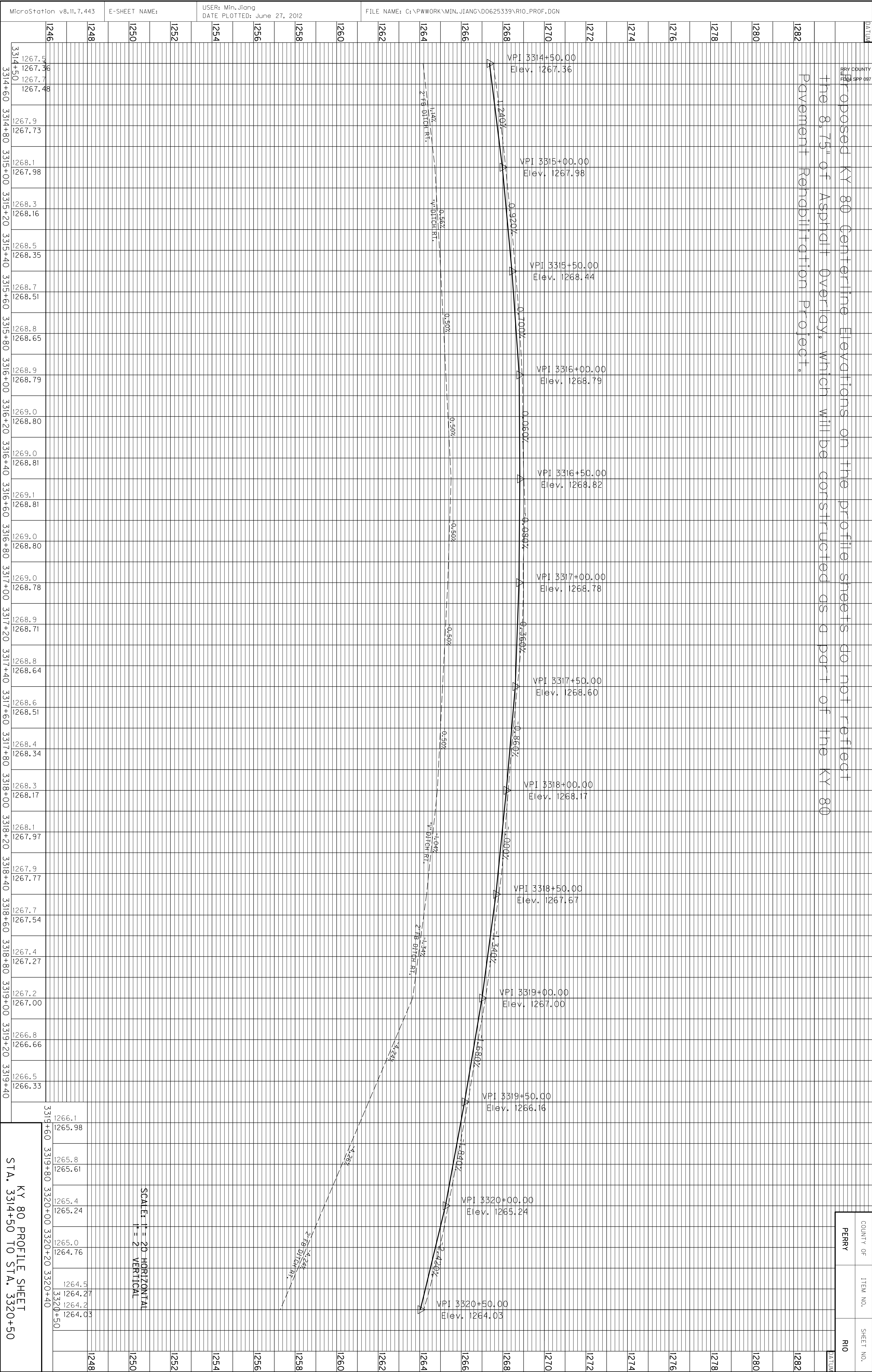
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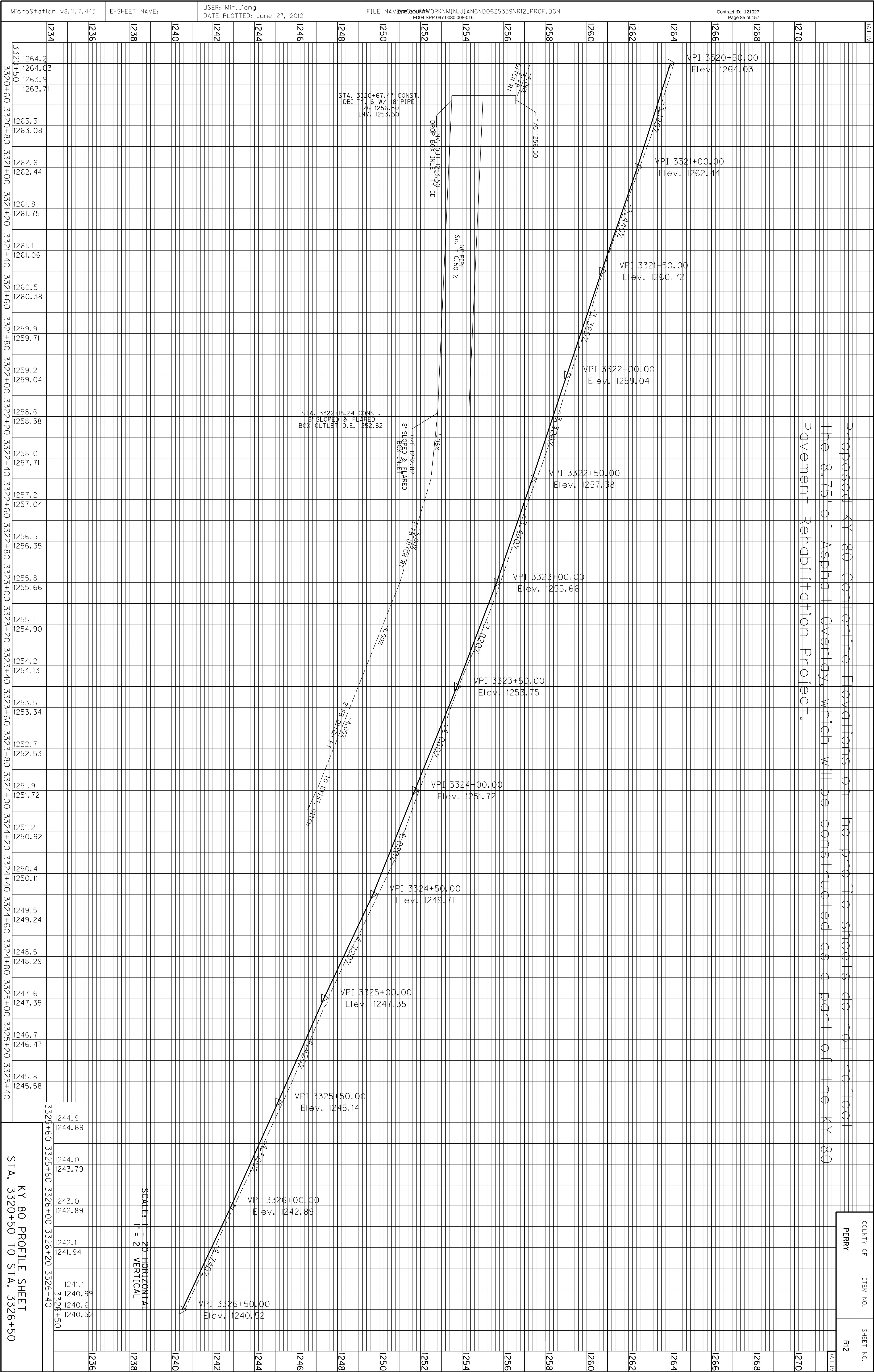


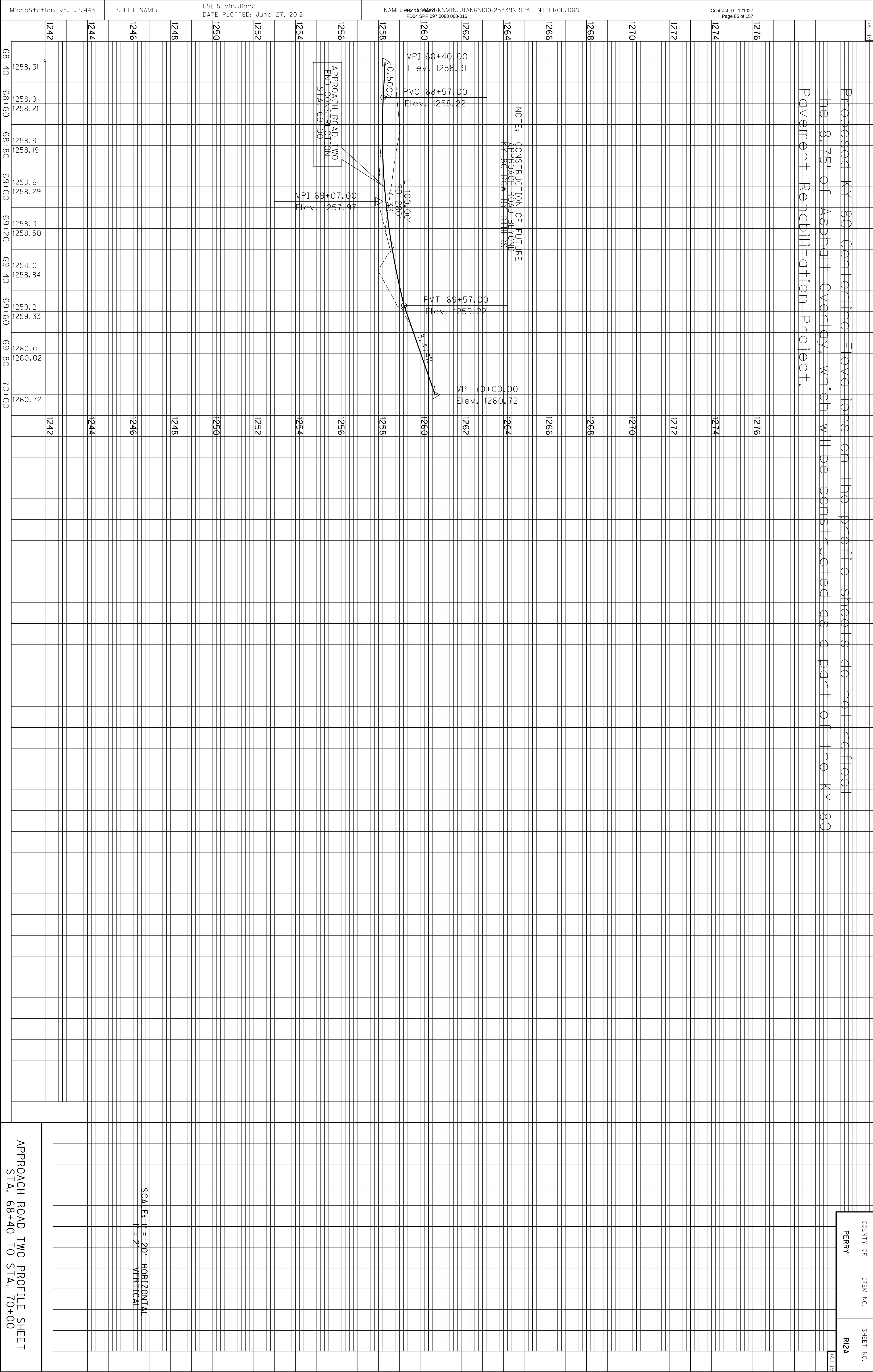
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KY 80 PLAN SHEET
STA. 3314+50 TO STA. 3320+50







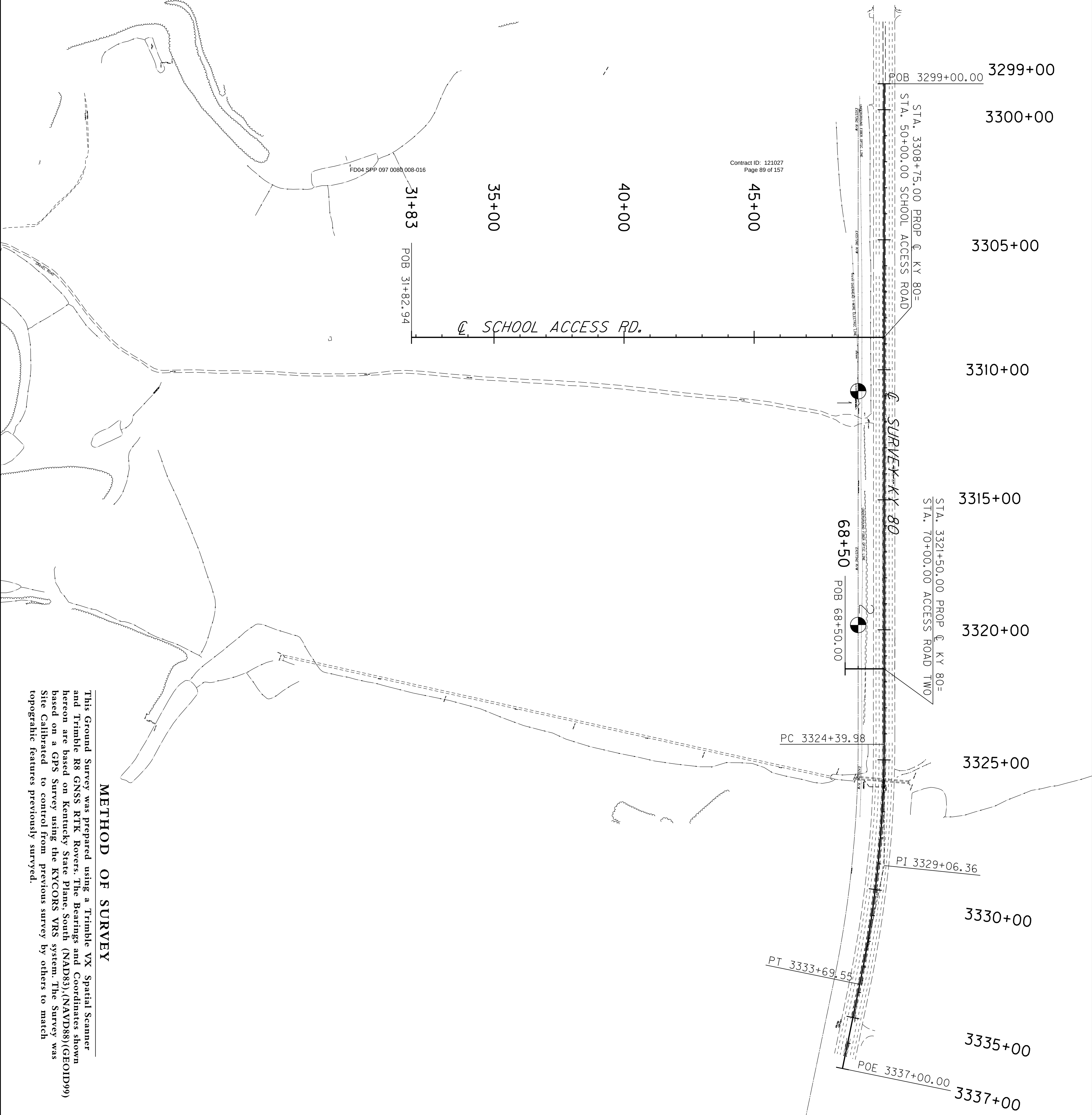


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E-SHEET NAME:

USER: jeff-r
DATE PLOTTED: November 7, 2011

FILE NAME: J:\GENERAL\BEGLEY-PERRY CO\PLAN\SHEETS.DGN



COORDINATE CONTROL POINTS				
POINT	DESCRIPTION	Project Coordinates		
		NORTH (Y)	EAST (X)	ELEV. (Z)
1	IRON PIN	2002511.023	2382198.820	1257.59
2	IRON PIN	2002837.003	2383036.843	1263.30

KY 80 CENTERLINE CONTROL POINTS				
POINT	DESCRIPTION	Project Coordinates		
		NORTH (Y)	EAST (X)	ELEV. (Z)
POB	3299 + 00.00	2002175.0003	2381060.9940	
PC	3324 + 39.98	2003096.6344	2383427.8664	
PI	3329 + 06.36	2003265.8627	2383862.4659	
PT	3333 + 69.55	2003344.0885	2384322.2438	
PT	3333 + 69.55	2003344.0885	2384322.2438	
POE	3337 + 00.00	2003399.5142	2384648.0123	

SCHOOL ACCESS CENTERLINE CONTROL POINTS				
POINT	DESCRIPTION	Project Coordinates		
		NORTH (Y)	EAST (X)	ELEV. (Z)
POB	31 + 82.94	2000835.5561	2382628.8678	
POE	50 + 00.00	2002528.7801	2381969.5450	

ENTRANCE #2 CENTERLINE CONTROL POINTS				
POINT	DESCRIPTION	Project Coordinates		
		NORTH (Y)	EAST (X)	ELEV. (Z)
POB	68 + 50.00	2002851.6381	2383212.0778	
POE	70 + 00.00	2002991.4151	2383157.6501	

METHOD OF SURVEY

This Ground Survey was prepared using a Trimble VX Spatial Scanner and Trimble R8 GNSS RTK Rovers. The Bearings and Coordinates shown hereon are based on Kentucky State Plane, South (NAD83),(NAVD88),(GEOID99) based on a GPS Survey using the KYCORS VRS system. The Survey was Site Calibrated to control from previous survey by others to match topographic features previously surveyed.

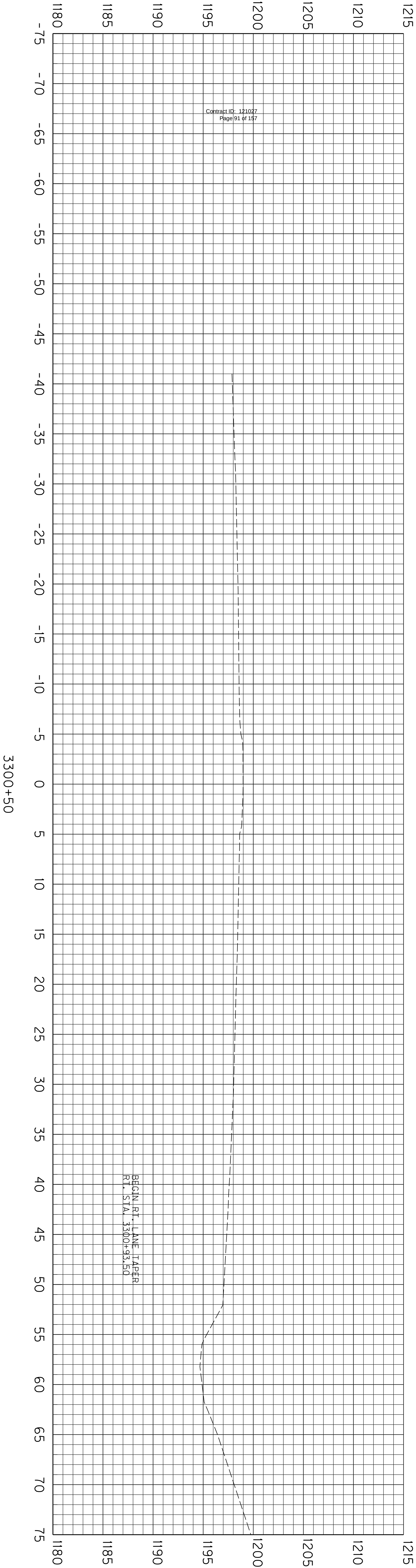
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KY 80/SCHOOL ACCESS RD
COORDINATE CONTROL

[illegible]

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FILE NAME: \$\$\$\$design\$file\$specification\$\$\$\$
E-SHEET NAME: \$\$\$\$DATE\$\$\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



PERRY COUNTY
FD04 SPP 097 0080 008-016

Special Note:

Cross-sections for this set of plan do not reflect the 8.75" of additional asphalt overlay, which will be constructed as a part of the KY 80 Pavement Rehabilitation Project. Typical sections were adjusted to reflect this change. The Contractor shall construct the ditch as shown on the cross-sections, however, the maximum ditch foreslope can be reduced from a desirable 4:1 slopes to a 3:1 slopes. The ditch slopes shall be transitioned back to the desirable 4:1 slopes as to minimize the length of 3:1 slopes.

SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3300+00 TO STA. 3300+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X01

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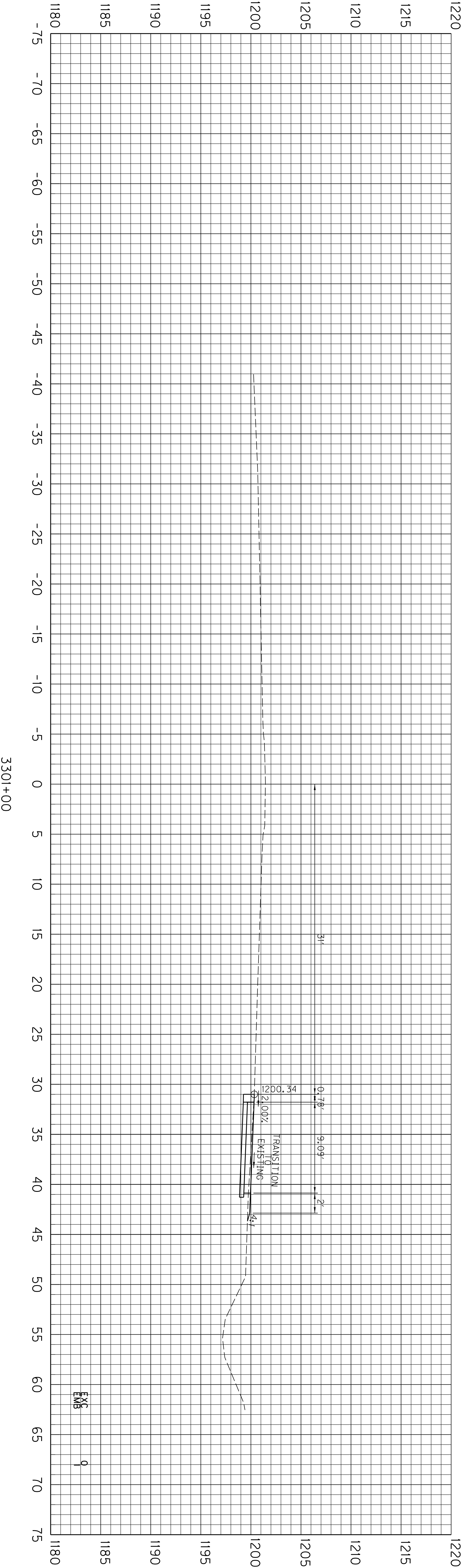
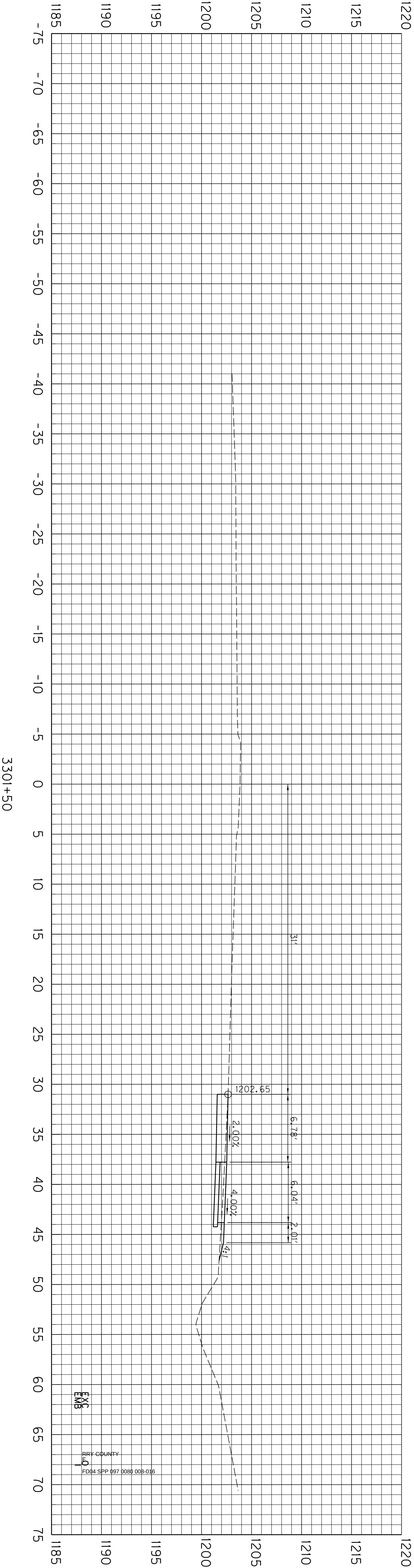
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PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3301+00 TO STA. 3301+50

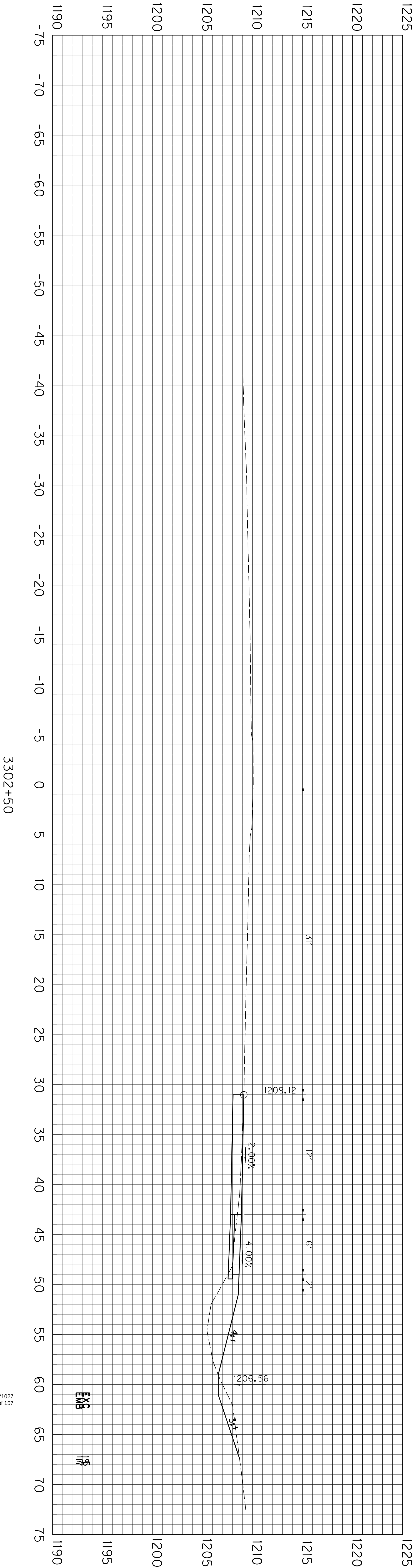
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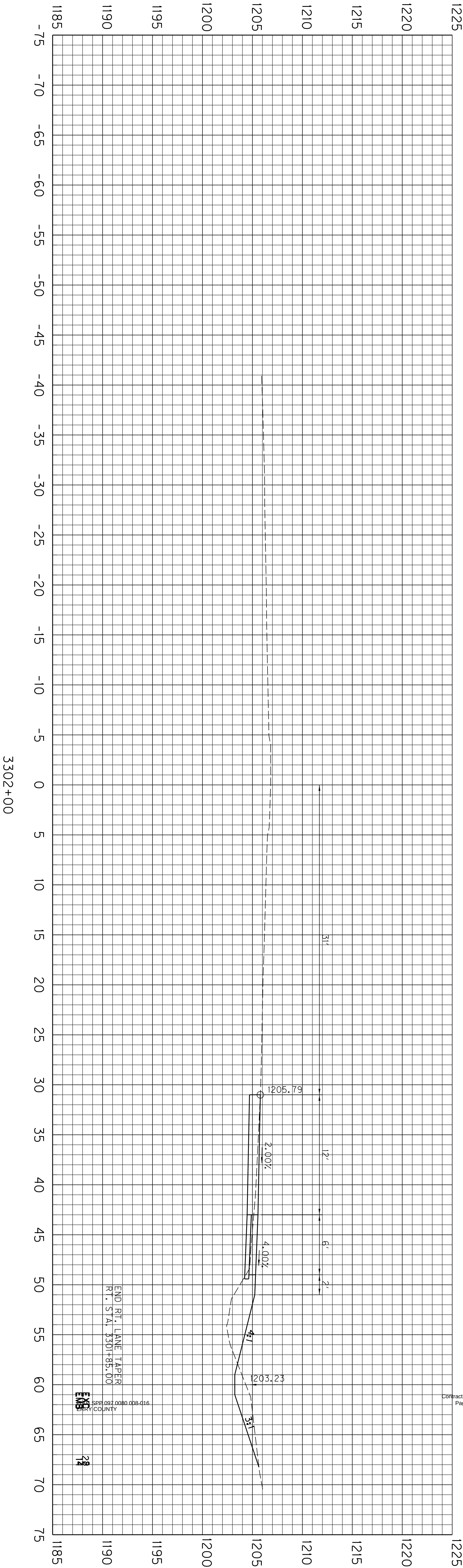
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\$\$\$\$\$DATE\$\$\$\$\$	NAME.DGN
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PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____



Contract ID: 121027
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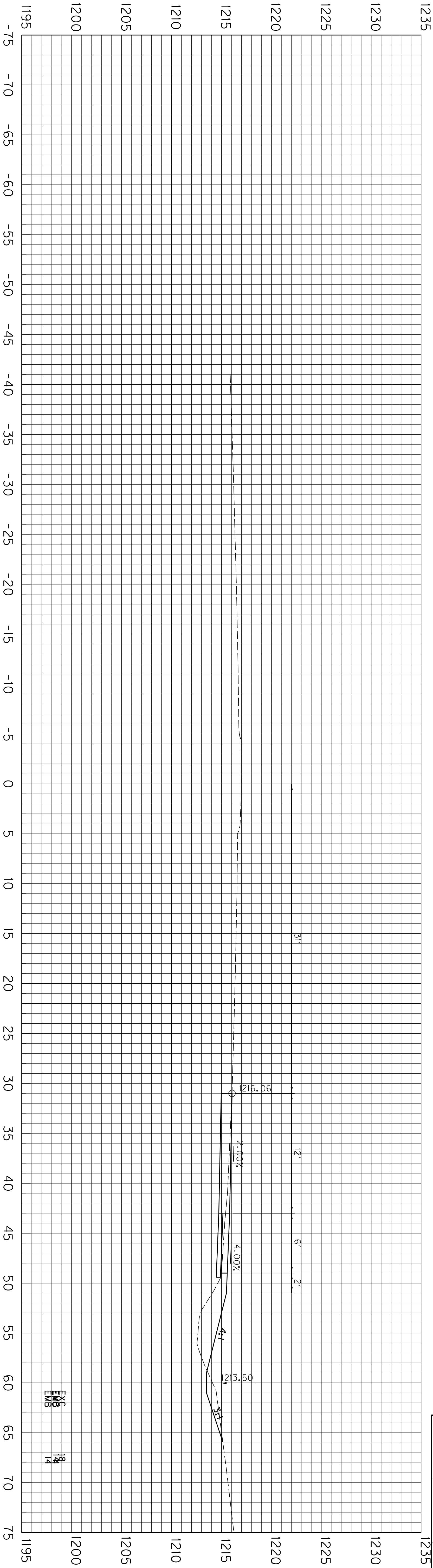
SCALE: 1"=5' HORIZ
1"=5' VERT.

KY 80 CROSS SECTIONS
 STA. 3302+00 TO STA. 3302+50

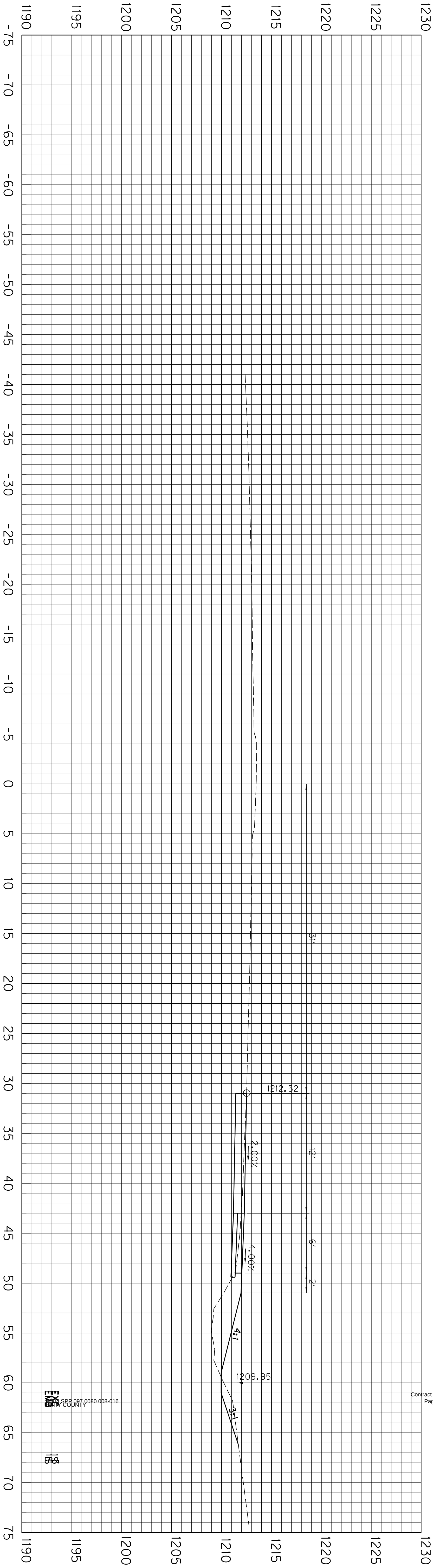
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PERRY		X03

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NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X04



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3303+00 TO STA. 3303+50

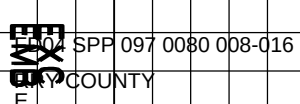
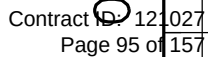
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E-SHEET NAME:

\$\$\$\$\$DATE\$\$\$\$\$ NAME.DGN

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CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____



SCALE: 1"=5' HORIZ
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3304+00 TO STA. 3304+50

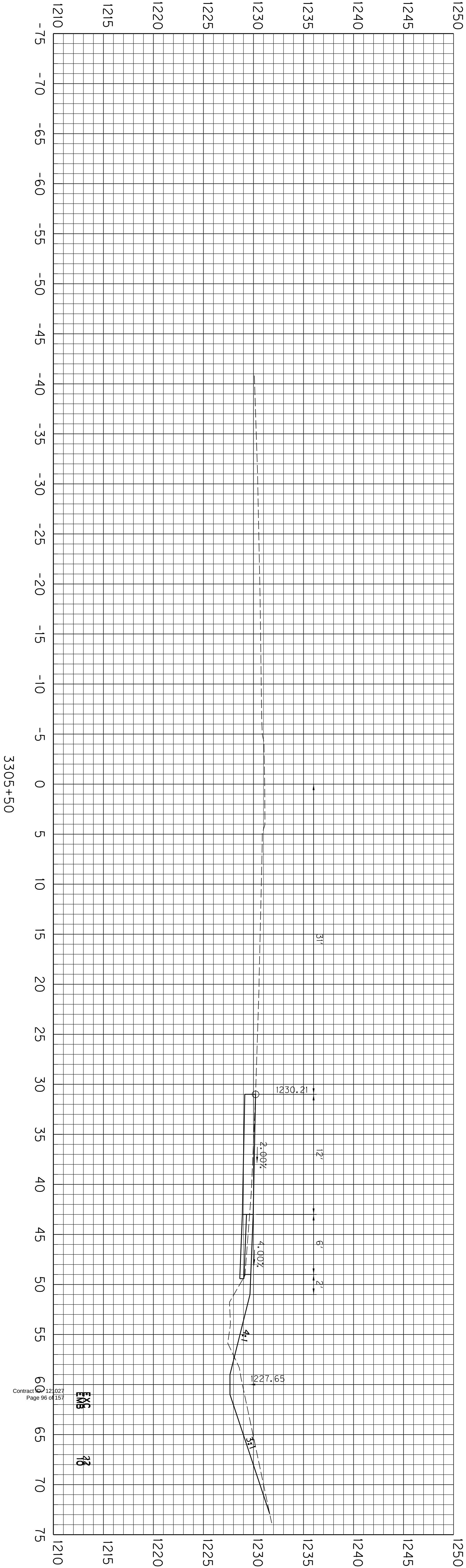
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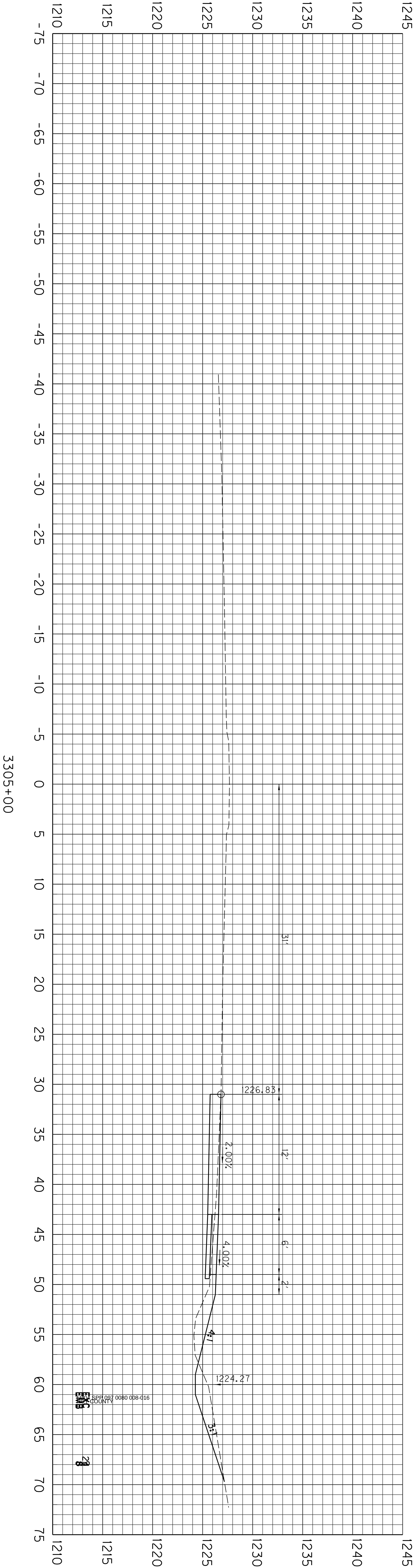
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E-SHEET NAME: \$\$\$\$DATE\$\$\$\$\$ NAME.DGN

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CHECKED BY		DATE	
APPROVED BY		DATE	



COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X06



SCALE: 1"=5' HORIZ.
1"=5' VERT.

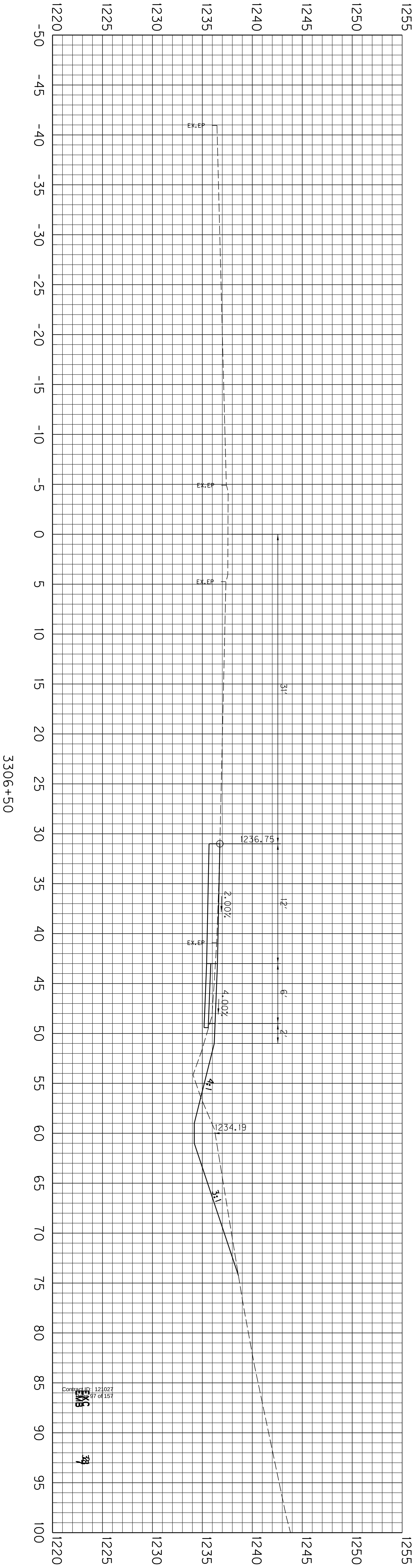
KY 80 CROSS SECTIONS
STA. 3305+00 TO STA. 3305+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X07

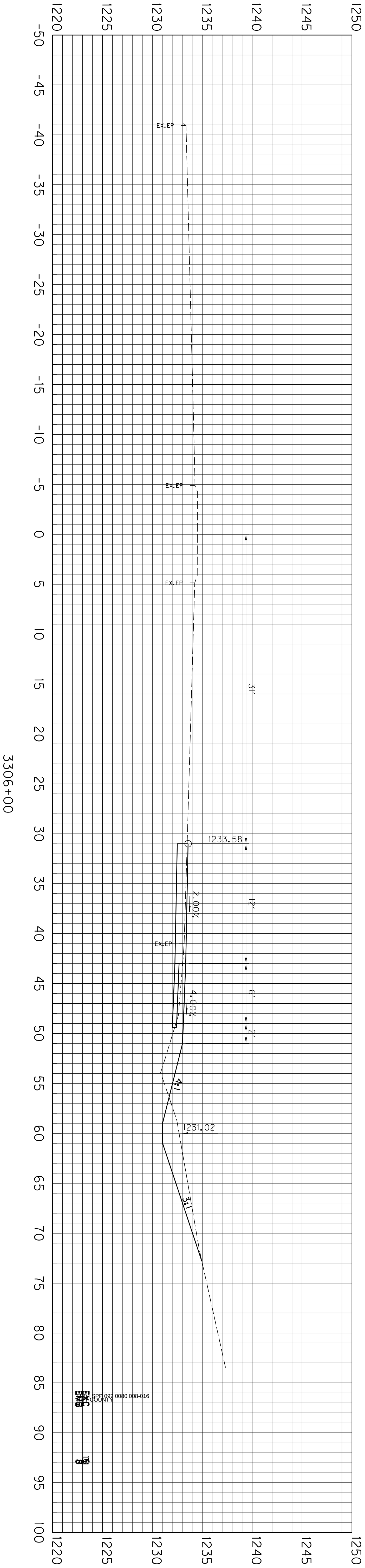
PREPARED BY		DATE	
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APPROVED BY		DATE	

USER: \$\$\$\$USER\$\$\$\$
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FILE NAME: \$\$\$\$design\$file\$specification\$\$\$\$

E-SHEET NAME: NAME.DGN
\$\$\$\$\$DATE\$\$\$\$\$



Contract ID: 121027
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Contract ID: 121027
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SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3306+00 TO STA. 3306+50

USER: \$\$\$\$USER\$\$\$\$

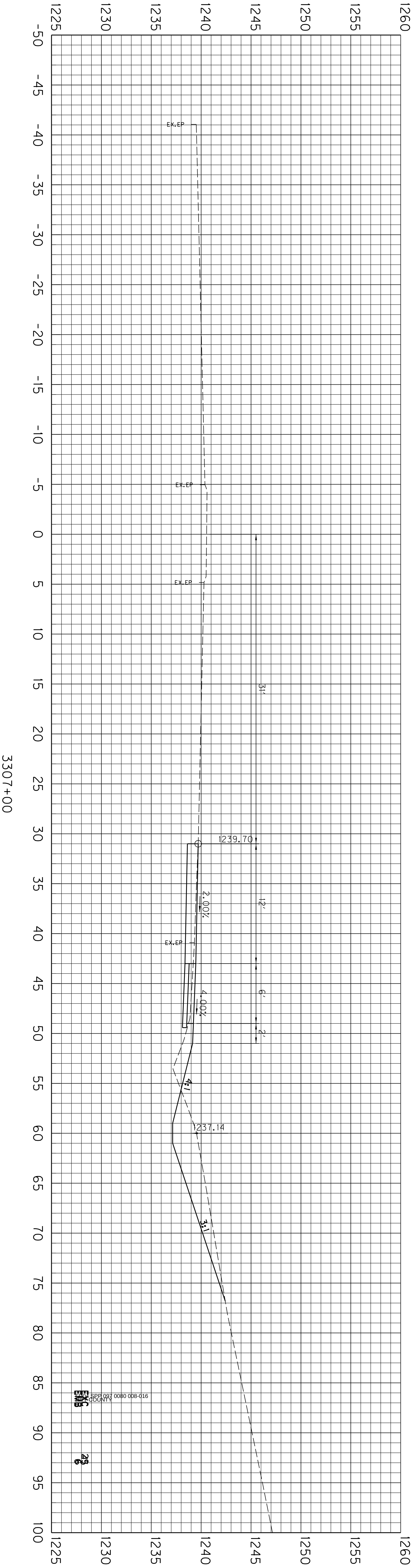
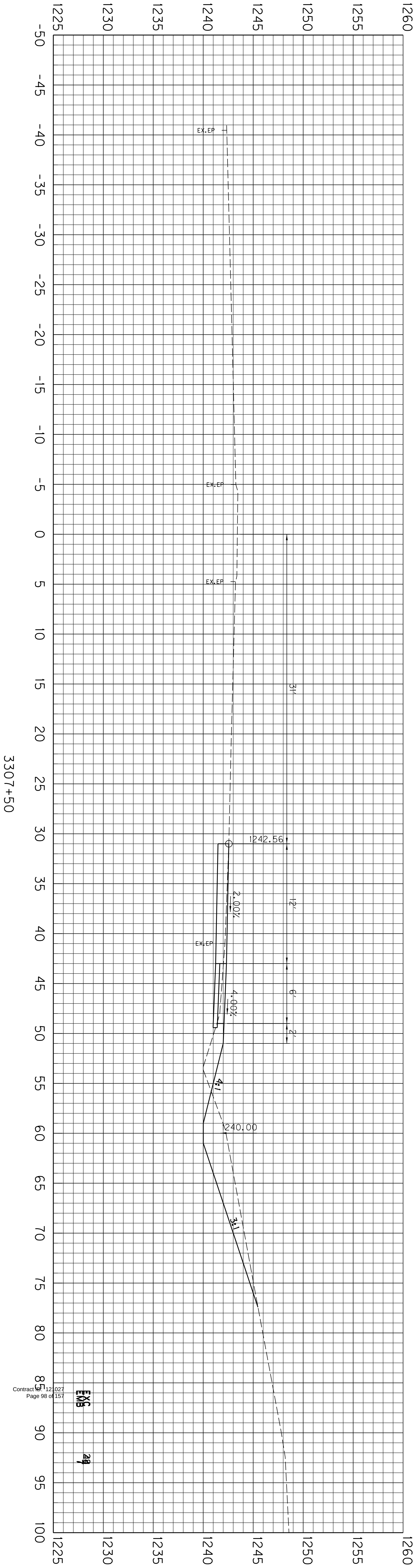
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E-SHEET NAME:

\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
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USER: \$\$\$\$USER\$\$\$\$

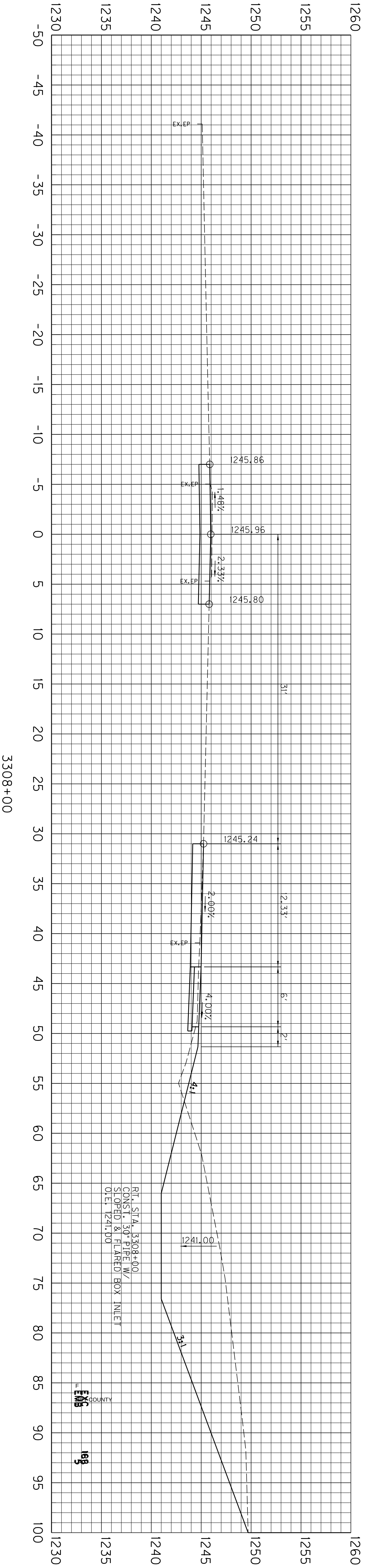
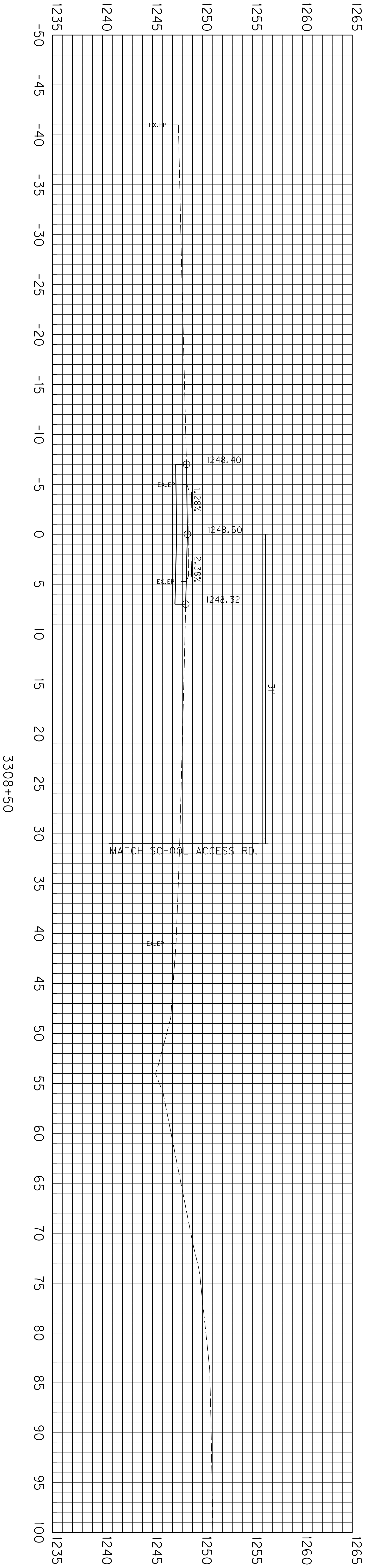
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\$\$\$\$\$DATE\$\$\$\$\$ NAME.DGN

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CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3308+00 TO STA. 3308+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X09

USER: \$\$\$\$USER\$\$\$\$

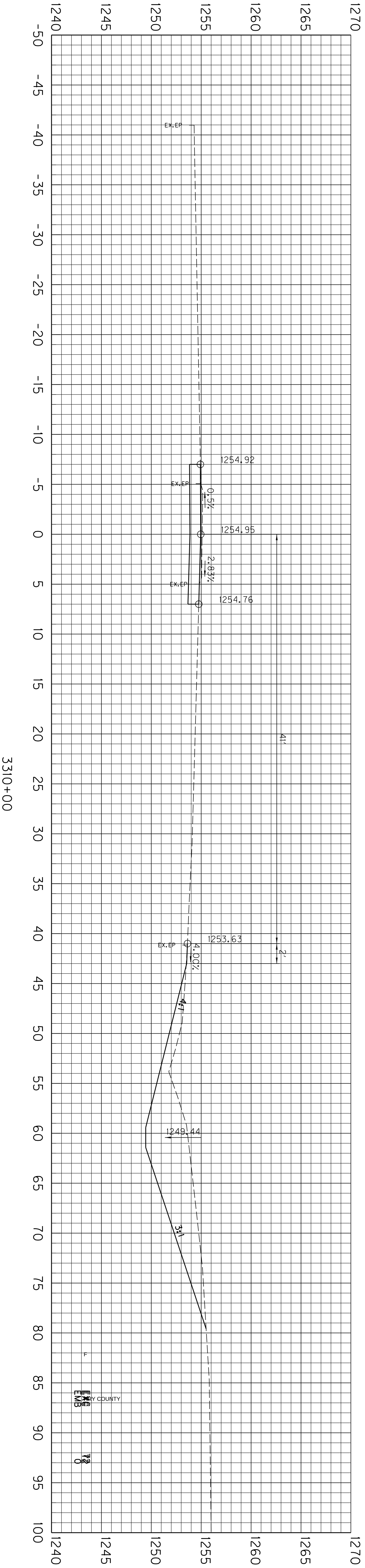
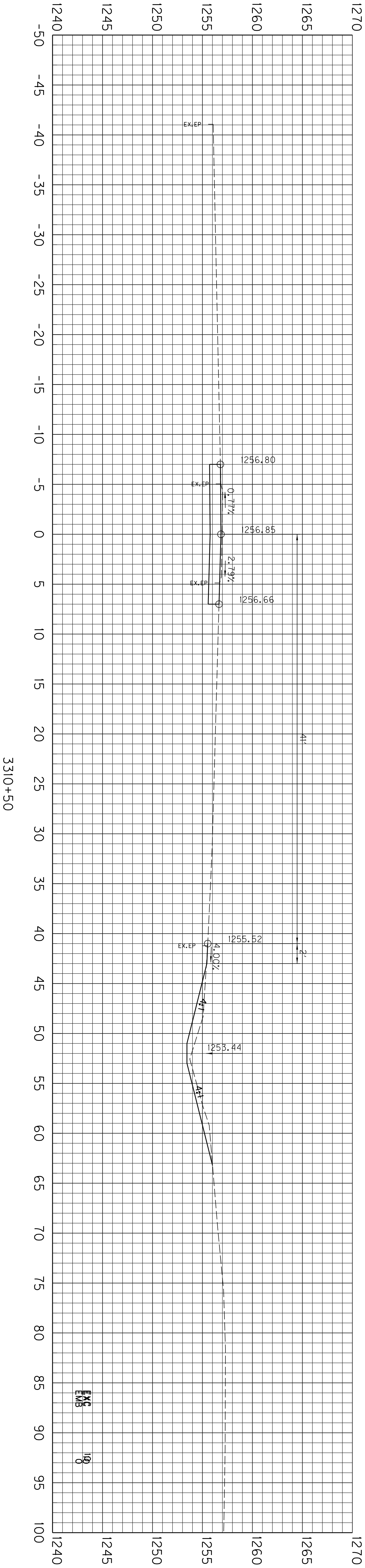
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E-SHEET NAME:

\$\$\$\$DATE\$\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3310+00 TO STA. 3310+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		XII

USER: \$\$\$\$USER\$\$\$\$

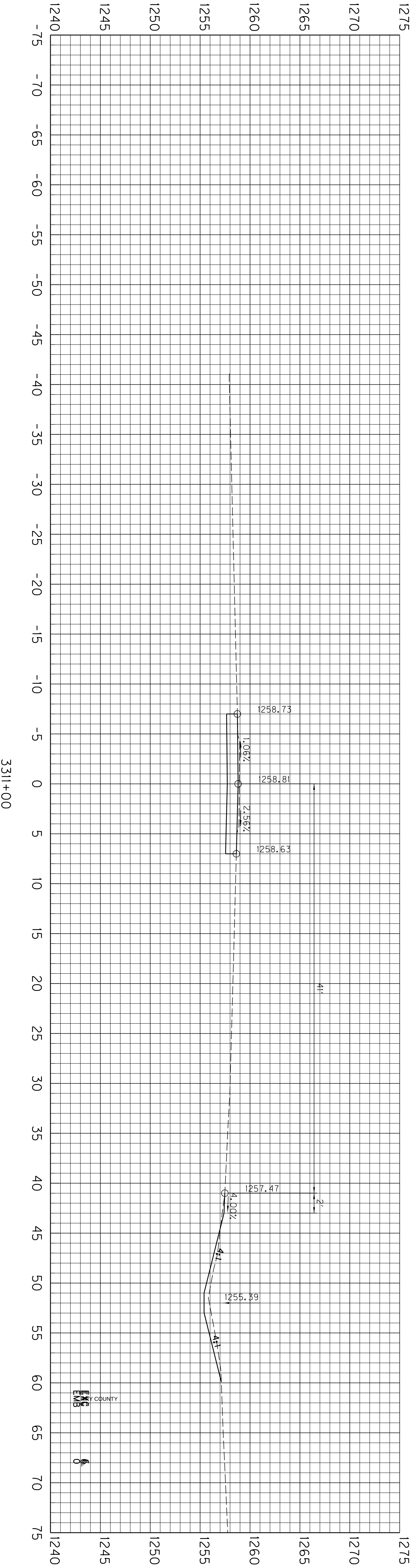
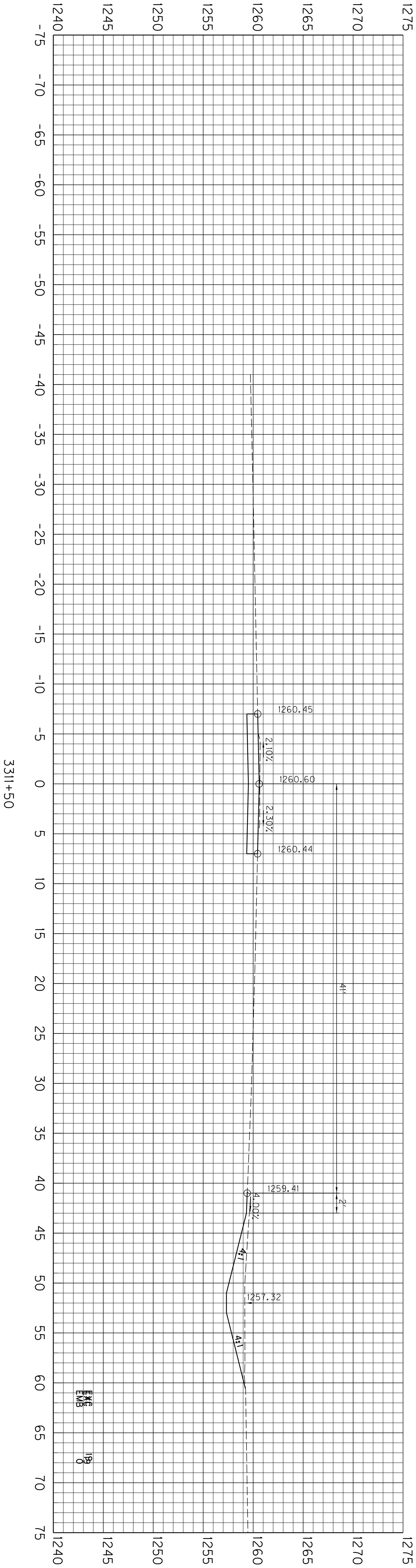
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PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3311+00 TO STA. 3311+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X12

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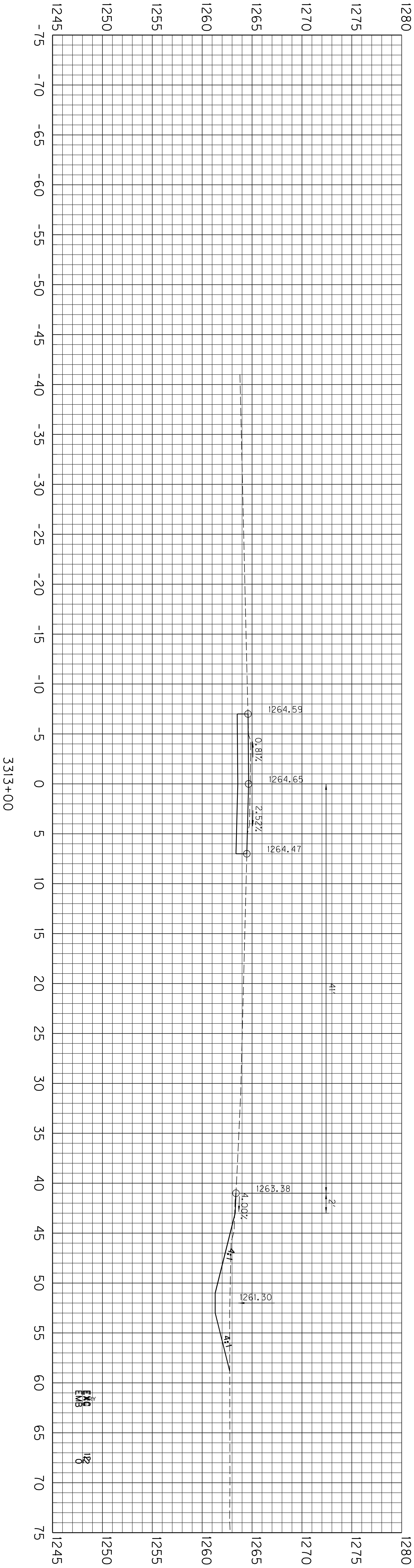
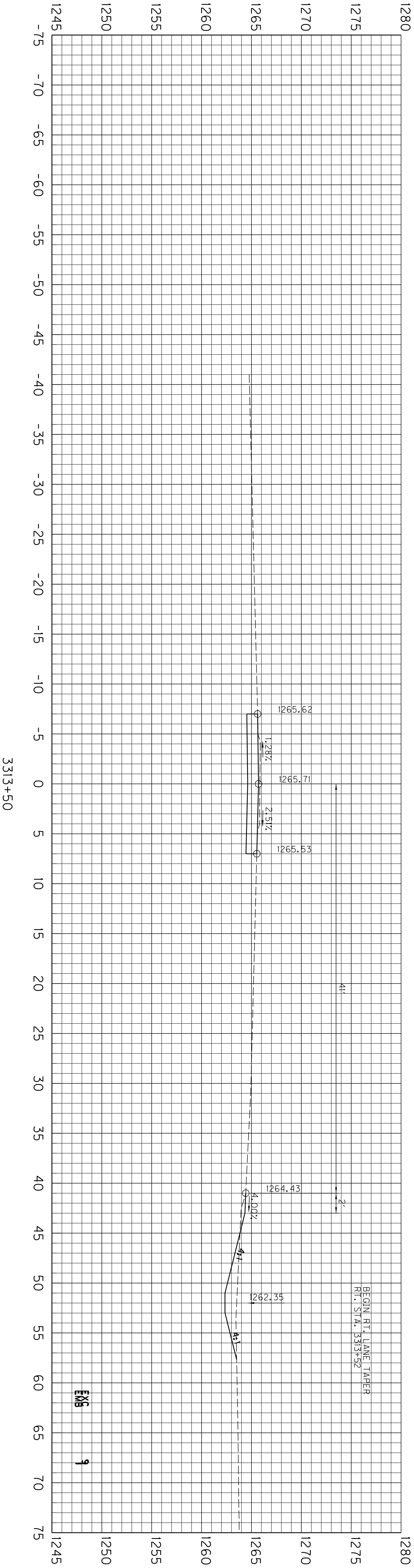
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E-SHEET NAME:

\$\$\$\$\$DATE\$\$\$\$\$ NAME.DGN

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3313+00 TO STA. 3313+50

USER: \$\$\$\$USER\$\$\$

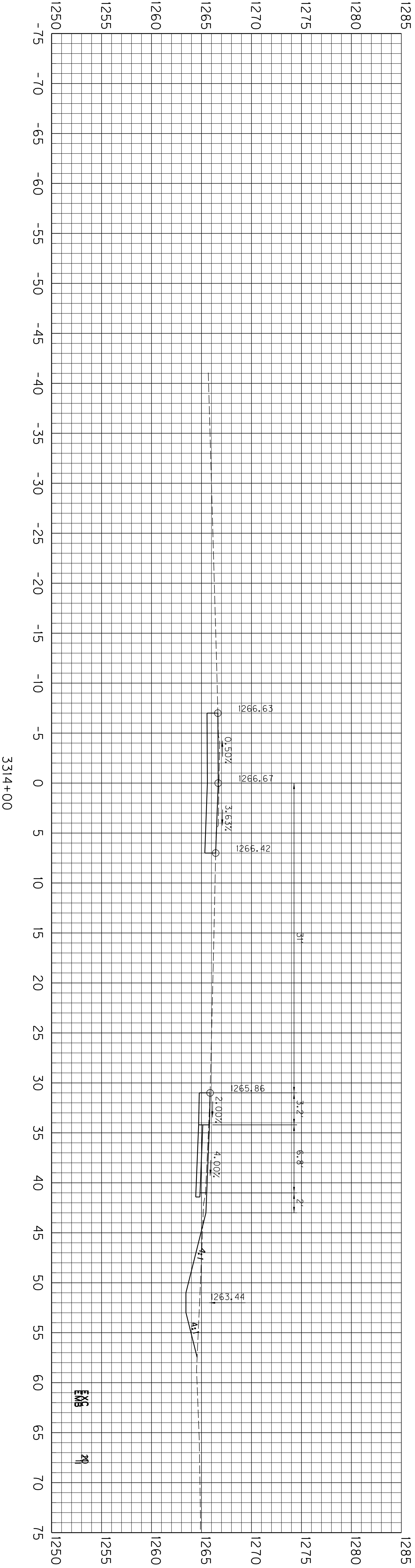
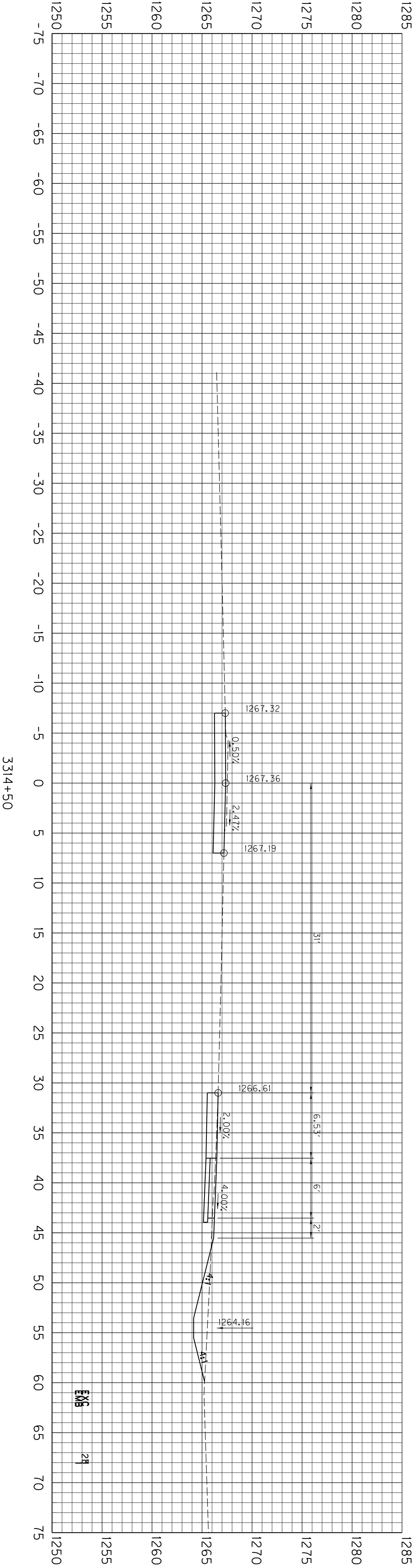
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E-SHEET NAME:

\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3314+00 TO STA. 3314+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X15

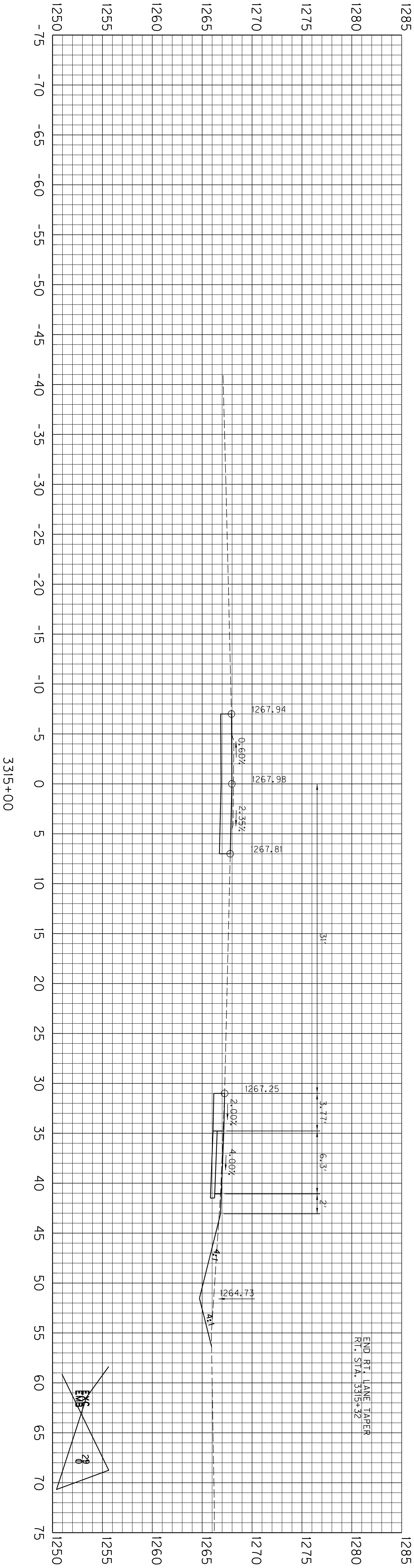
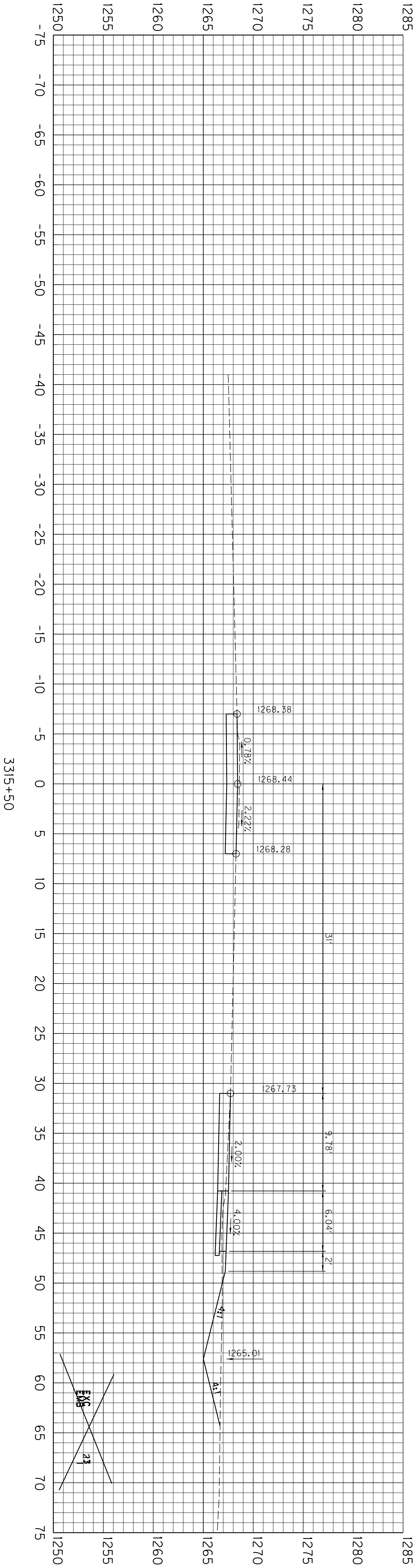
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E-SHEET NAME:

\$\$\$\$\$DATE\$\$\$\$\$ NAME.DGN

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3315+00 TO STA. 3315+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X16

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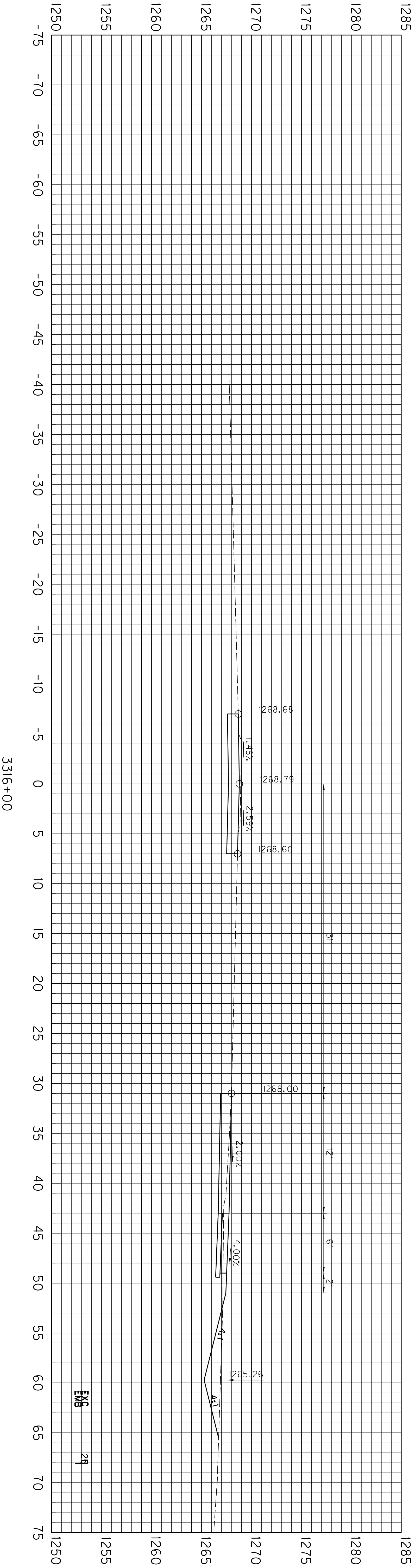
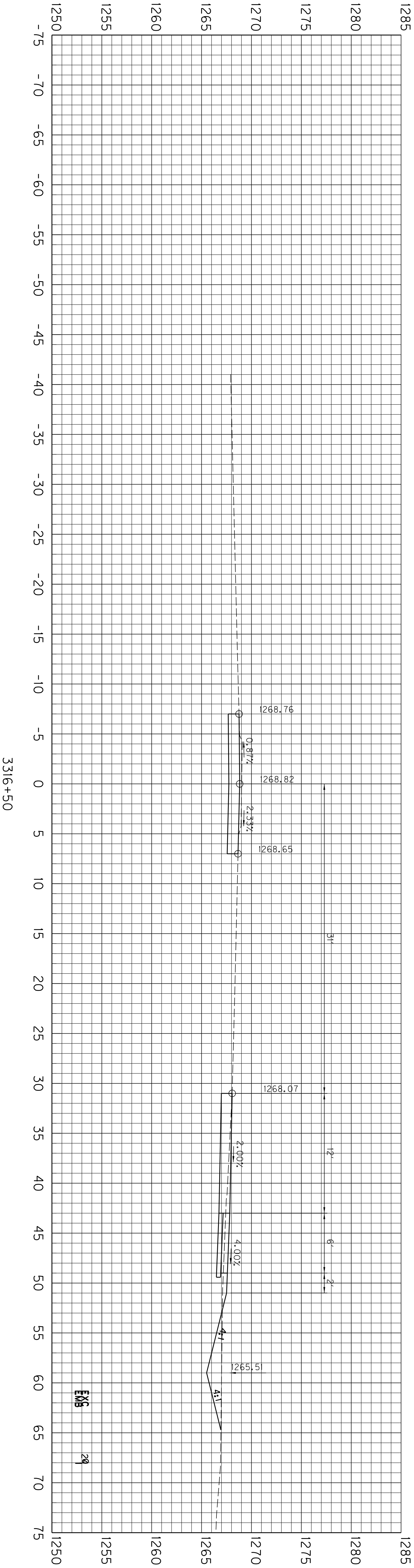
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E-SHEET NAME:

\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

STA. 3316+00 TO STA. 3316+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X17

USER: \$\$\$\$USER\$\$\$\$

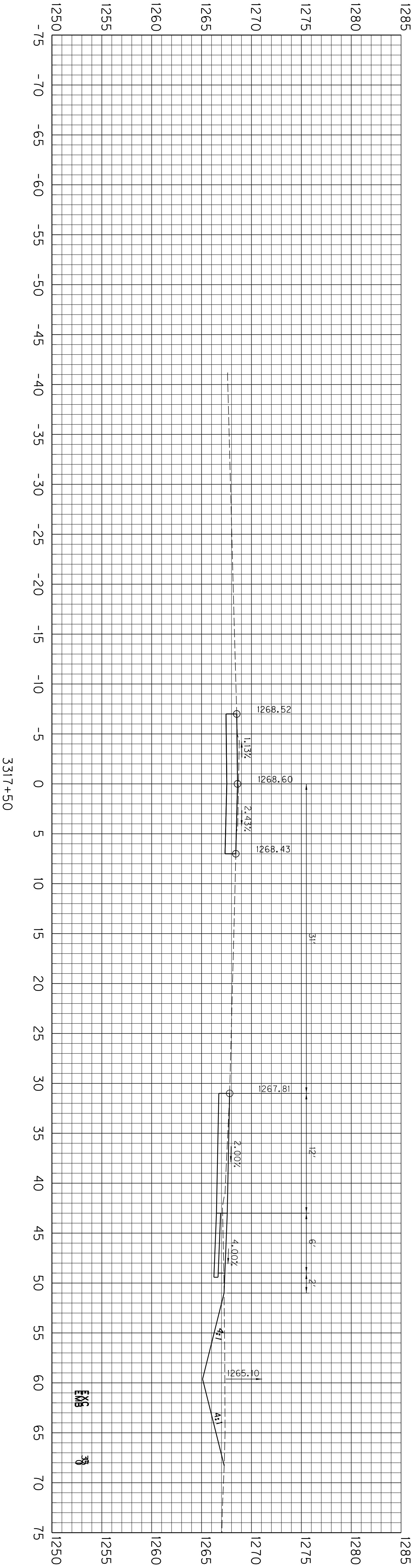
DATE: \$\$\$\$DATE\$\$\$\$

FILE NAME: \$\$\$design\$file\$specification\$\$\$

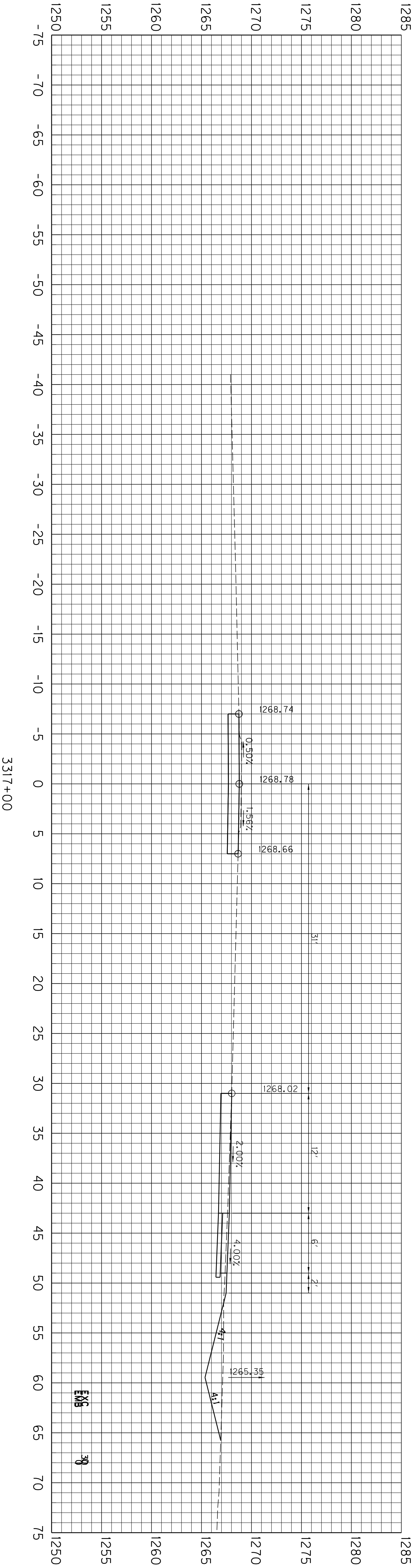
E-SHEET NAME:

\$\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



3317+50



3317+00

SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3317+00 TO STA. 3317+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X18

USER: \$\$\$\$USER\$\$\$\$

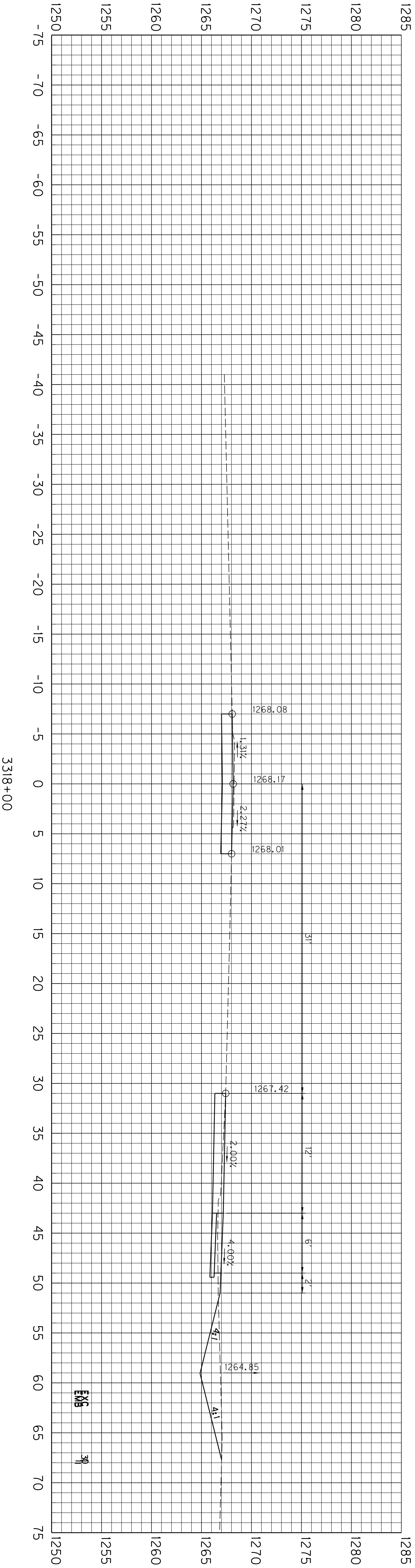
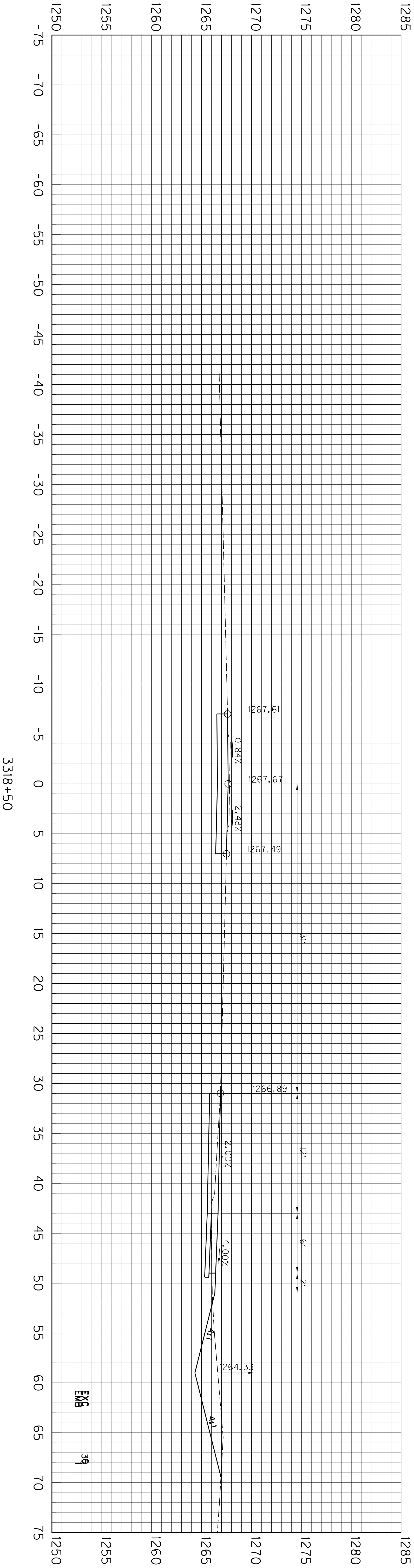
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FILE NAME: \$\$\$design\$file\$specification\$\$\$

E-SHEET NAME:

\$\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3318+00 TO STA. 3318+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X19

USER: \$\$\$\$USER\$\$\$\$

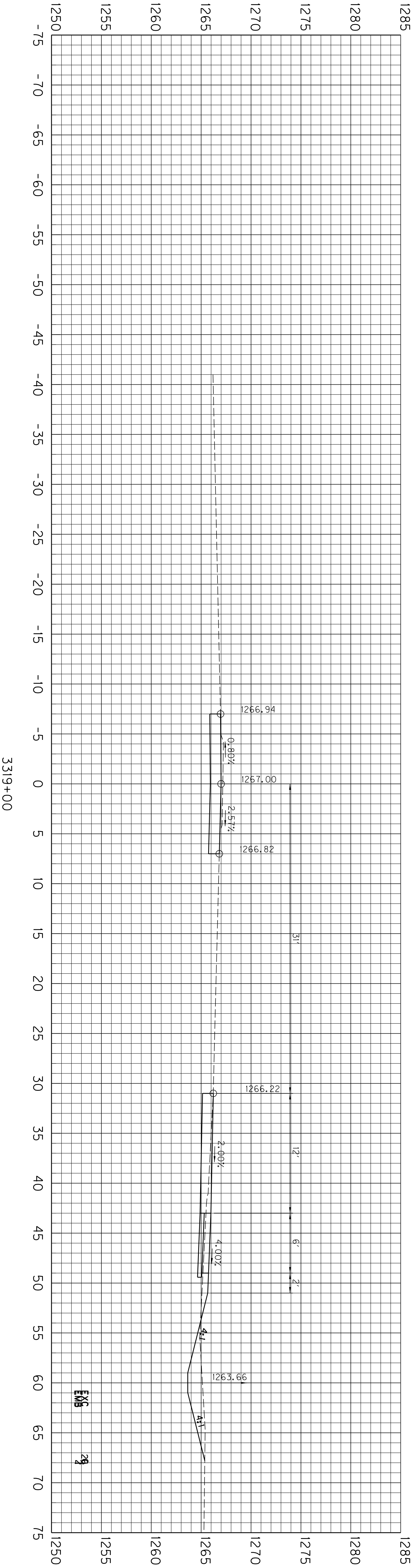
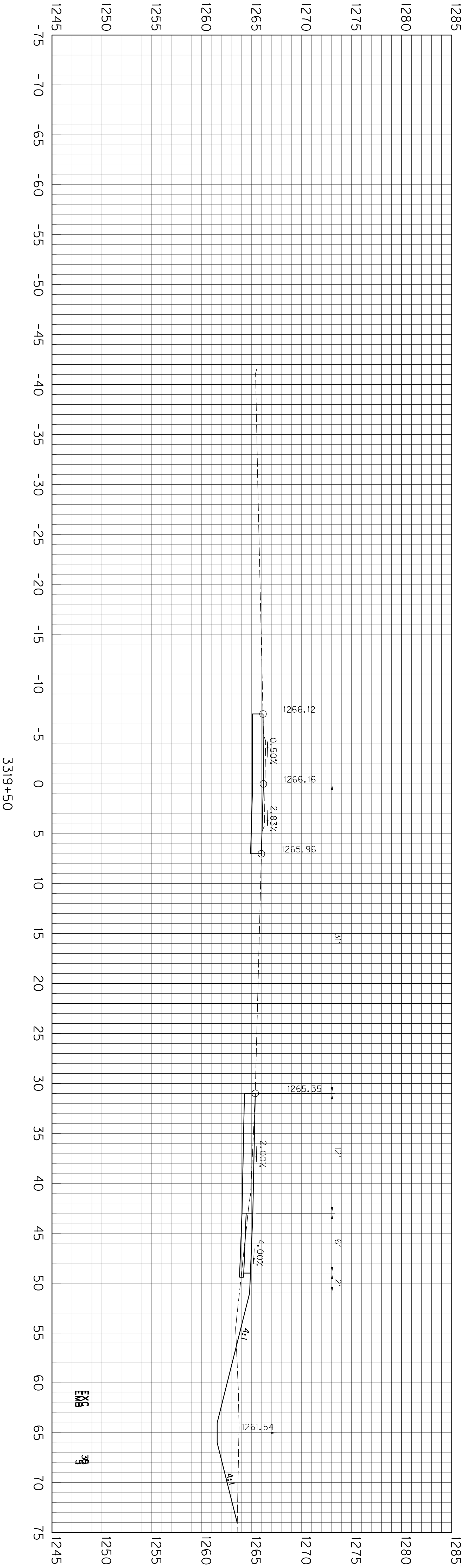
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FILE NAME: \$\$\$design\$file\$specification\$\$\$

E-SHEET NAME:

\$\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

STA. 3319+00 TO STA. 3319+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X20

KY 80 CROSS SECTIONS

USER: \$\$\$\$USER\$\$\$\$

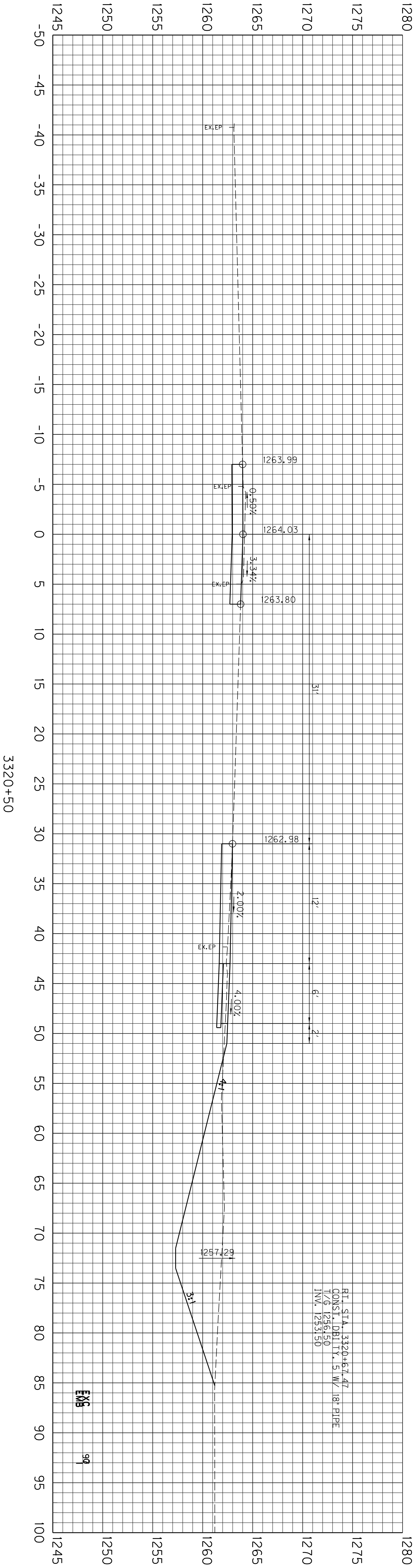
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FILE NAME: \$\$\$\$design\$file\$specification\$\$\$\$

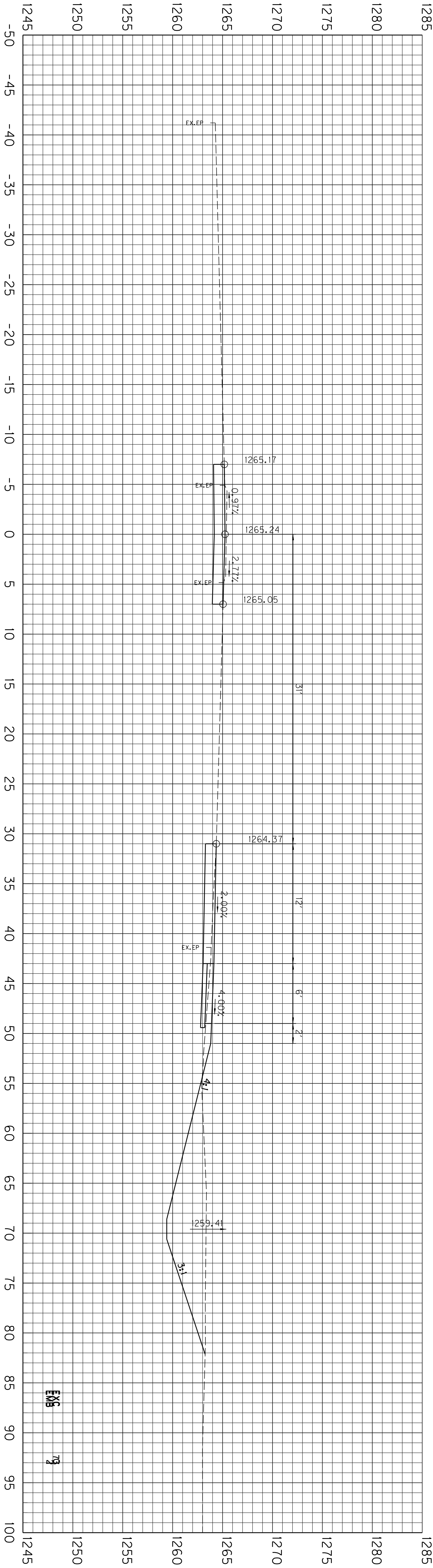
E-SHEET NAME:

\$\$\$\$\$DATE\$\$\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X21



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3320+00 TO STA. 3320+50

USER: \$\$\$\$USER\$\$\$\$

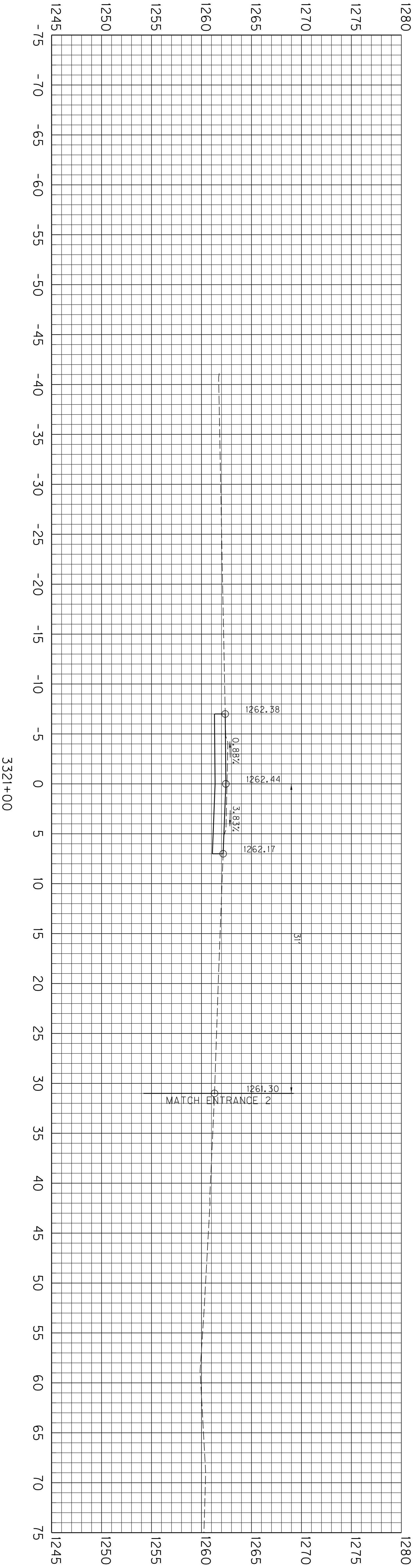
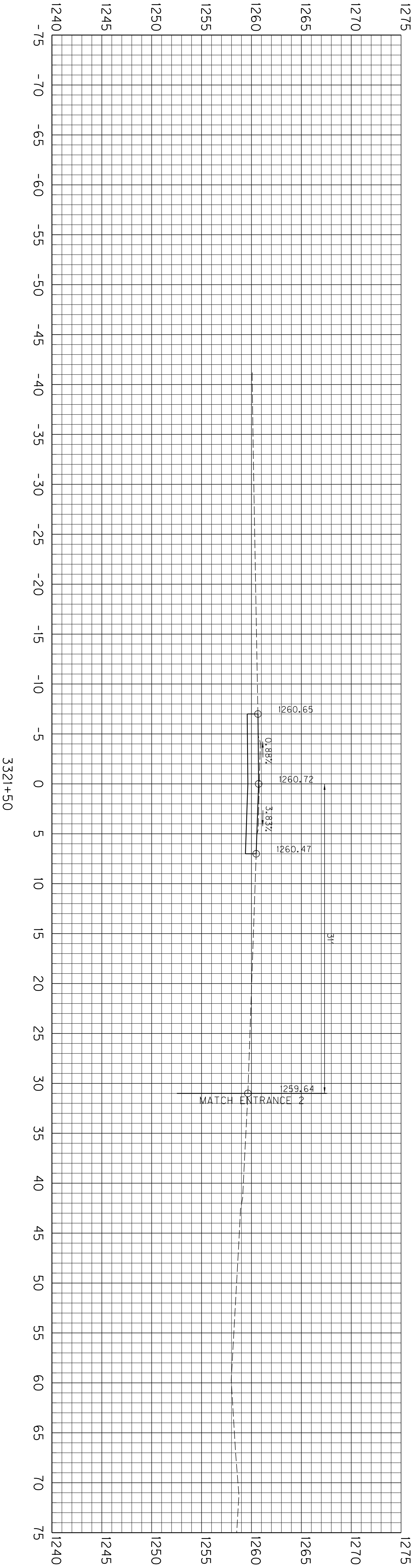
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FILE NAME: \$\$\$design\$file\$specification\$\$\$

E-SHEET NAME:

\$\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3321+00 TO STA. 3321+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X22

USER: \$\$\$\$USER\$\$\$

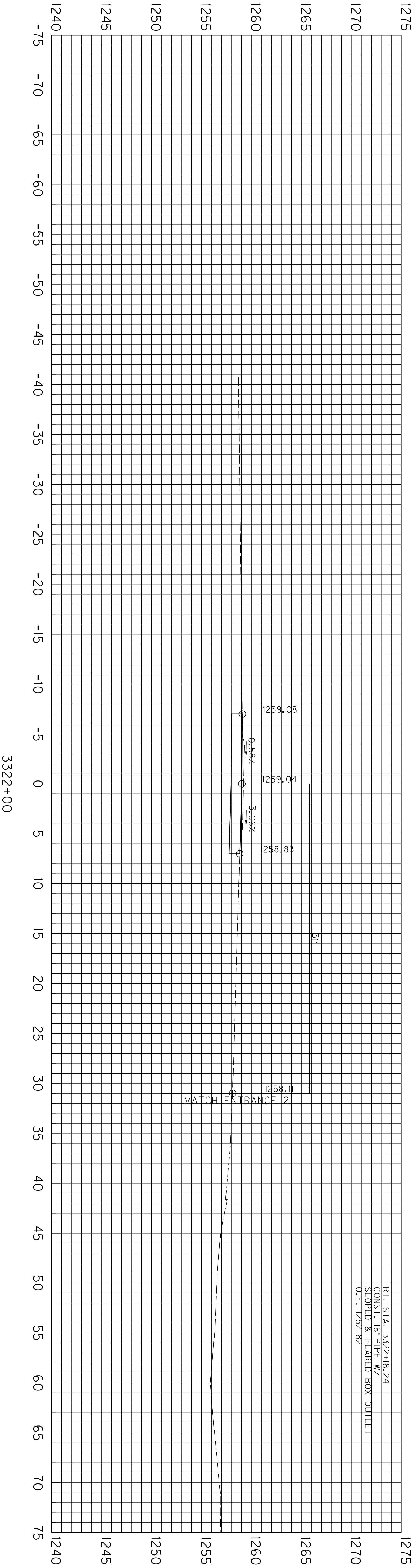
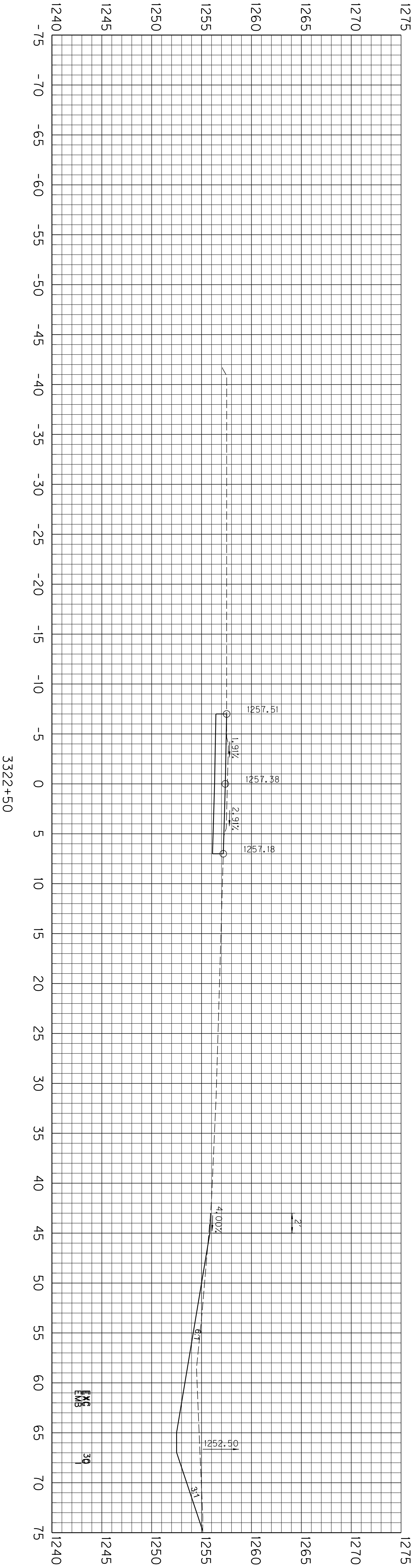
DATE: \$\$\$DATE\$\$\$

FILE NAME: \$\$\$design\$file\$specification\$\$\$

E-SHEET NAME:

NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3322+00 TO STA. 3322+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X23

USER: \$\$\$USER\$\$\$

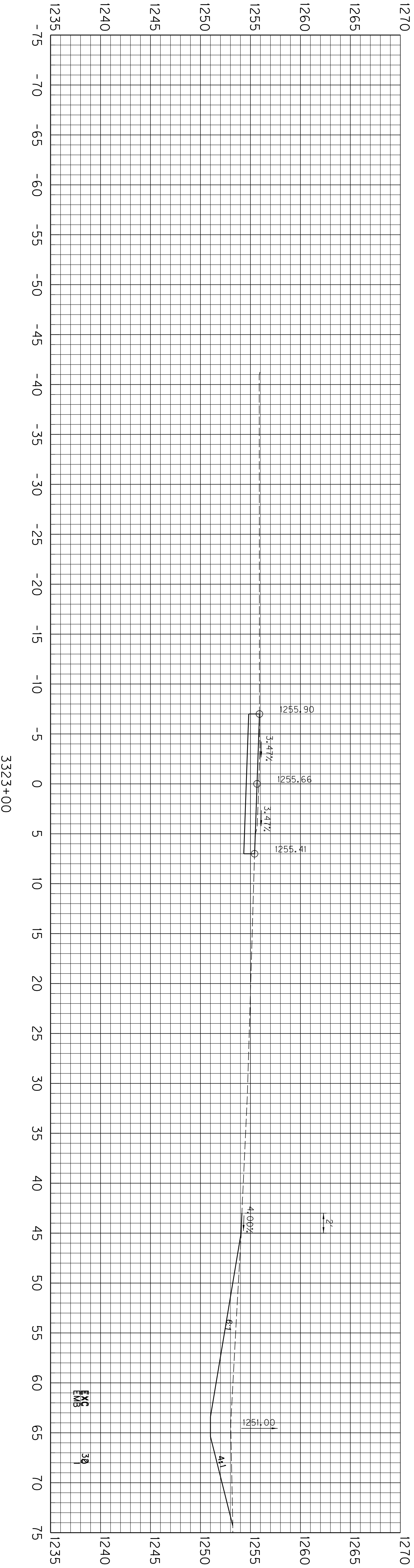
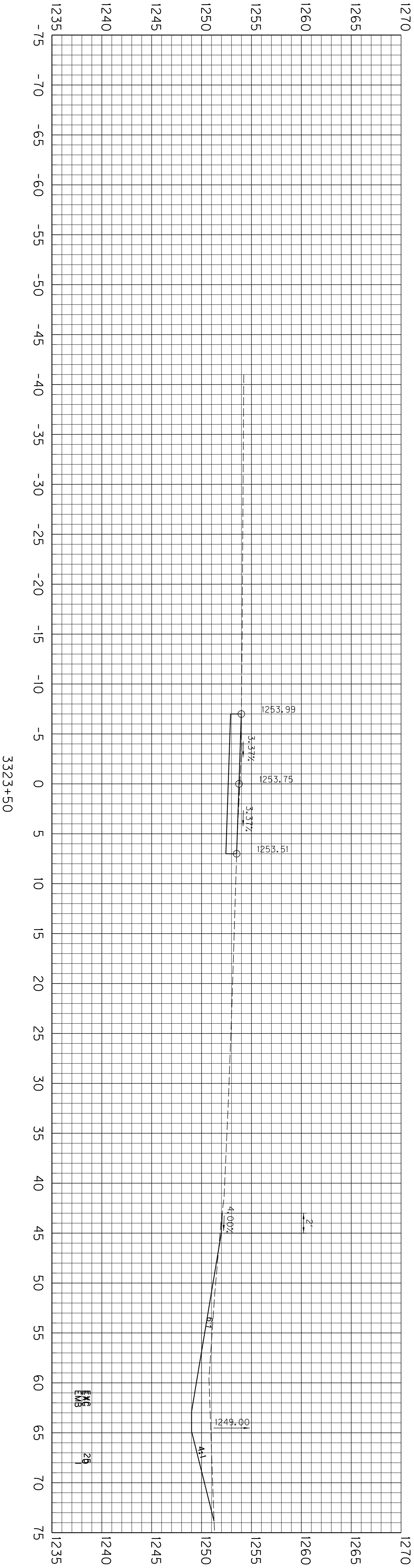
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FILE NAME: \$\$\$design\$file\$specification\$\$\$

E-SHEET NAME:

\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3323+00 TO STA. 3323+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X24

USER: \$\$\$USER\$\$\$

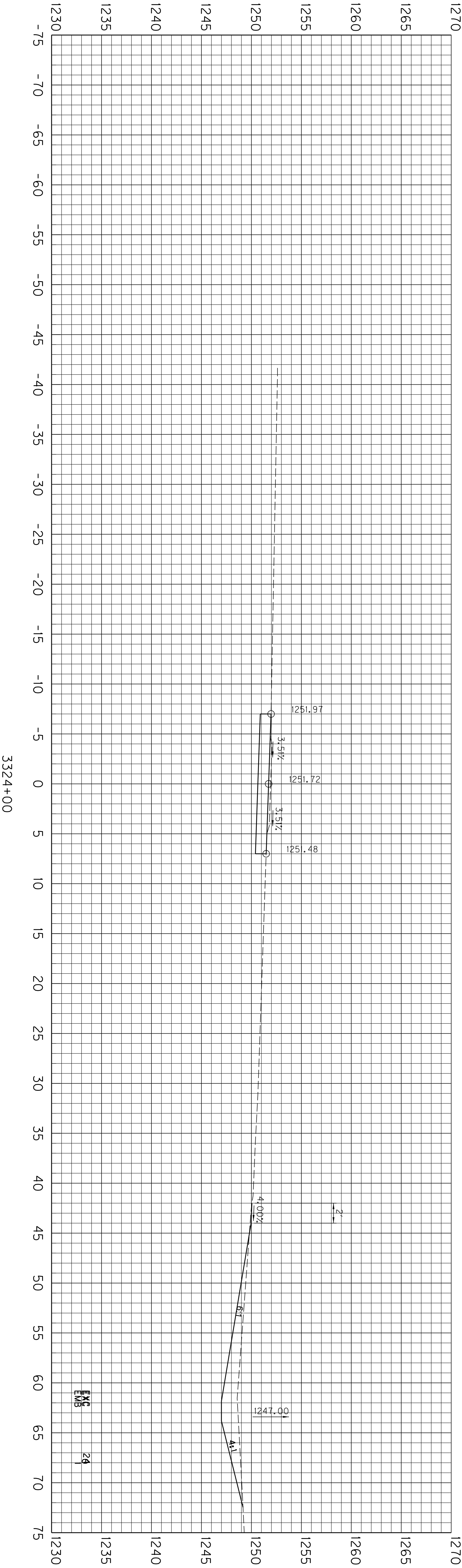
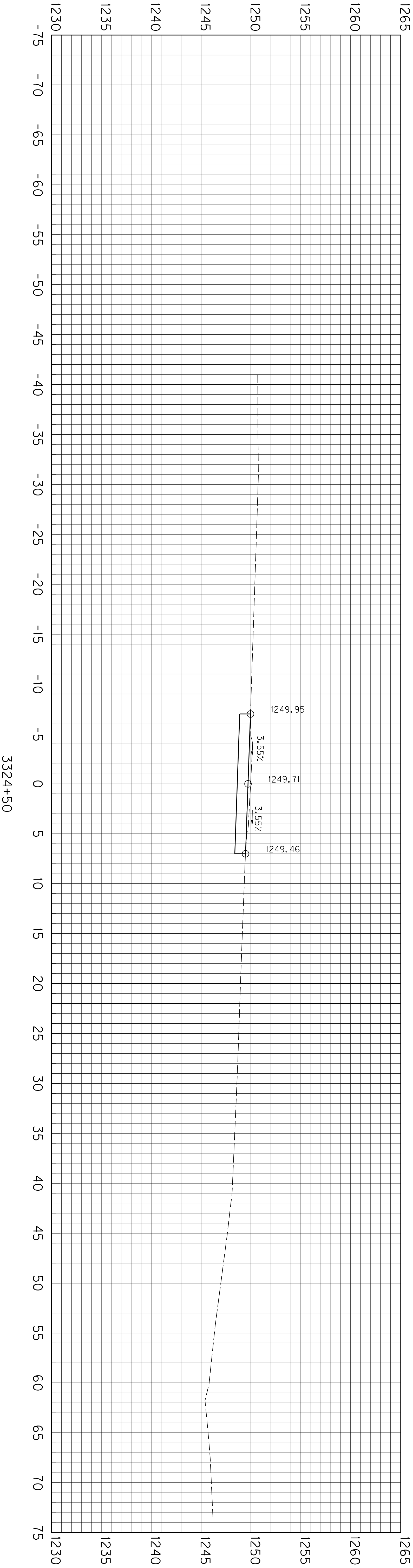
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FILE NAME: \$\$\$design\$file\$specification\$\$\$

E-SHEET NAME:

\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

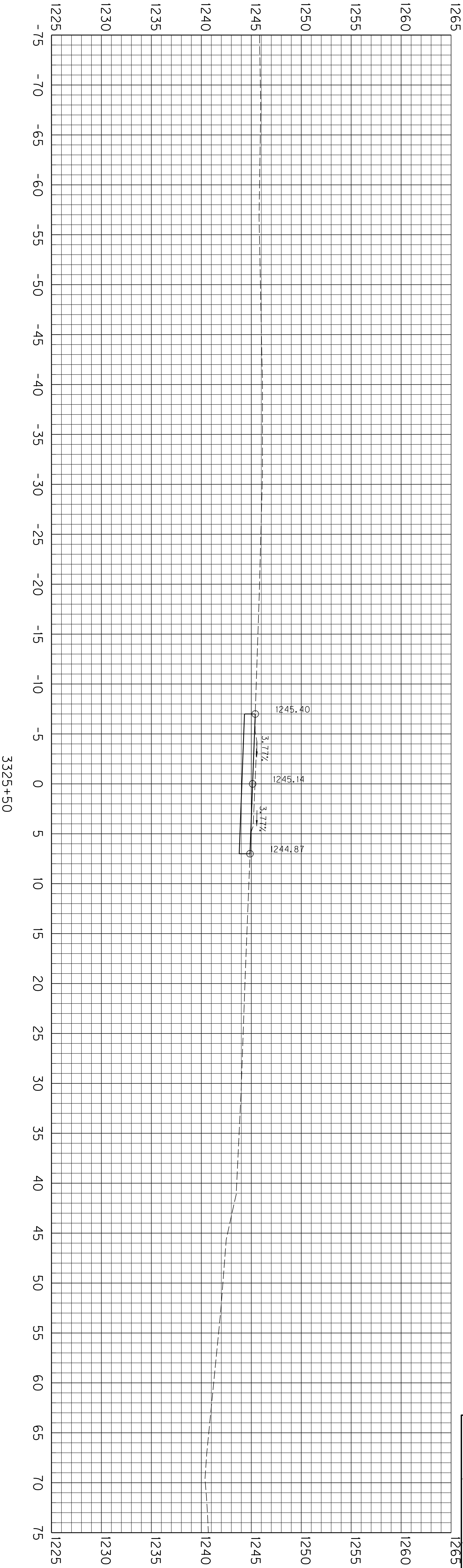
KY 80 CROSS SECTIONS
STA. 3324+00 TO STA. 3324+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X25

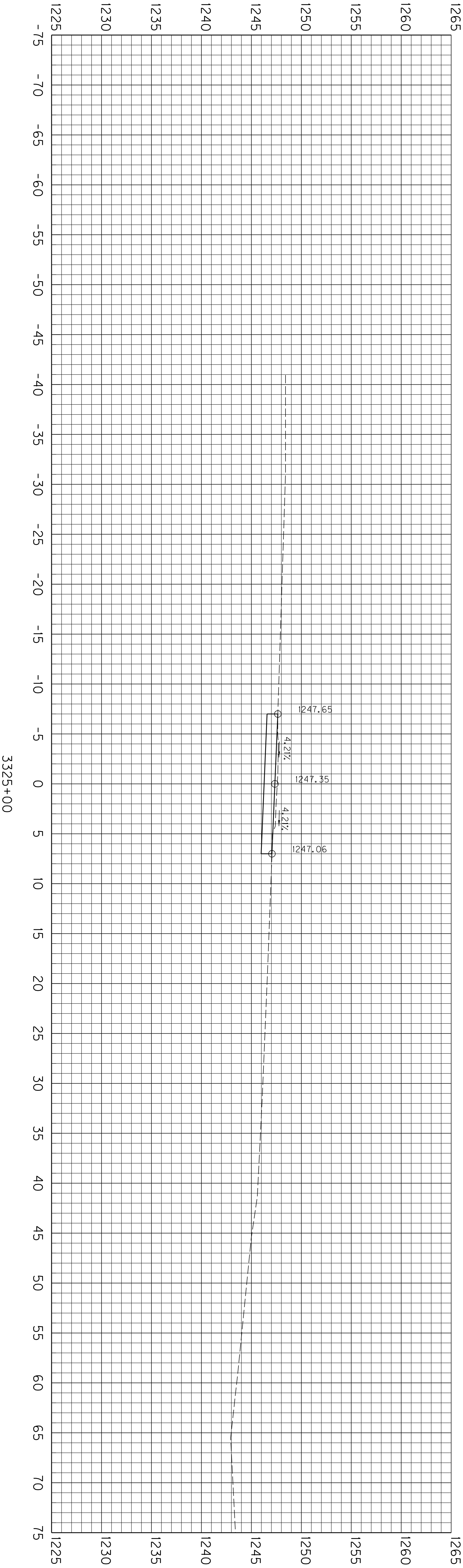
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DATE: \$\$\$\$DATE\$\$\$
FILE NAME: \$\$\$\$design\$file\$specification\$\$\$

E-SHEET NAME: \$\$\$\$DATE\$\$\$
NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X26



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3325+00 TO STA. 3325+50

USER: \$\$\$\$USER\$\$\$\$

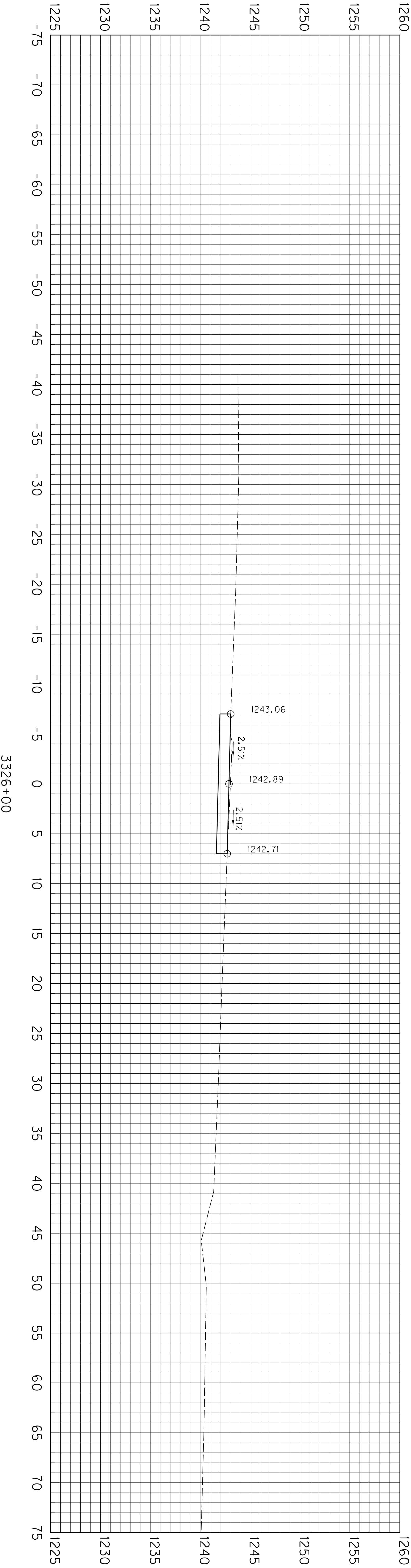
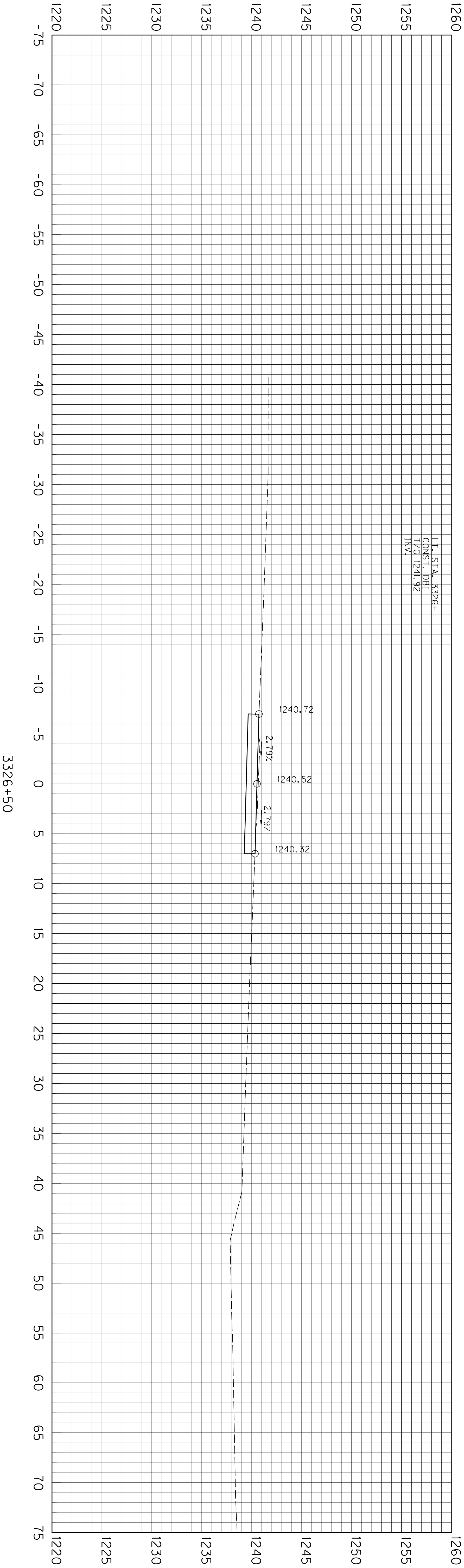
DATE: \$\$\$\$DATE\$\$\$\$

FILE NAME: \$\$\$\$design\$file\$specification\$\$\$\$

E-SHEET NAME:

NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3326+00 TO STA. 3326+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X27

USER: \$\$\$\$USER\$\$\$

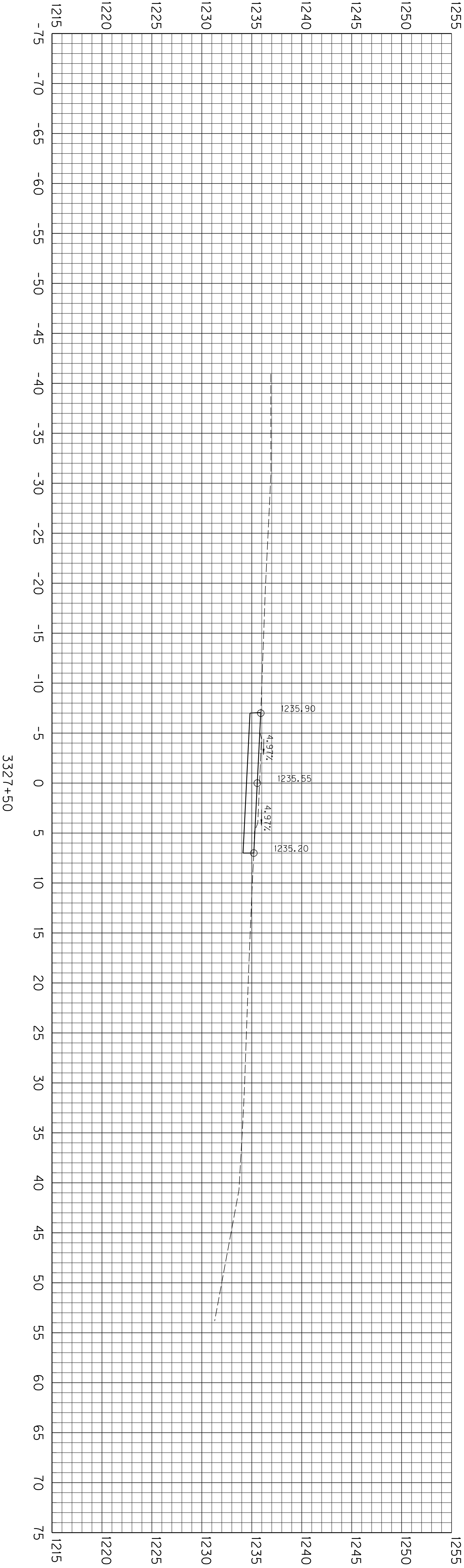
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FILE NAME: \$\$\$design\$file\$specification\$\$\$

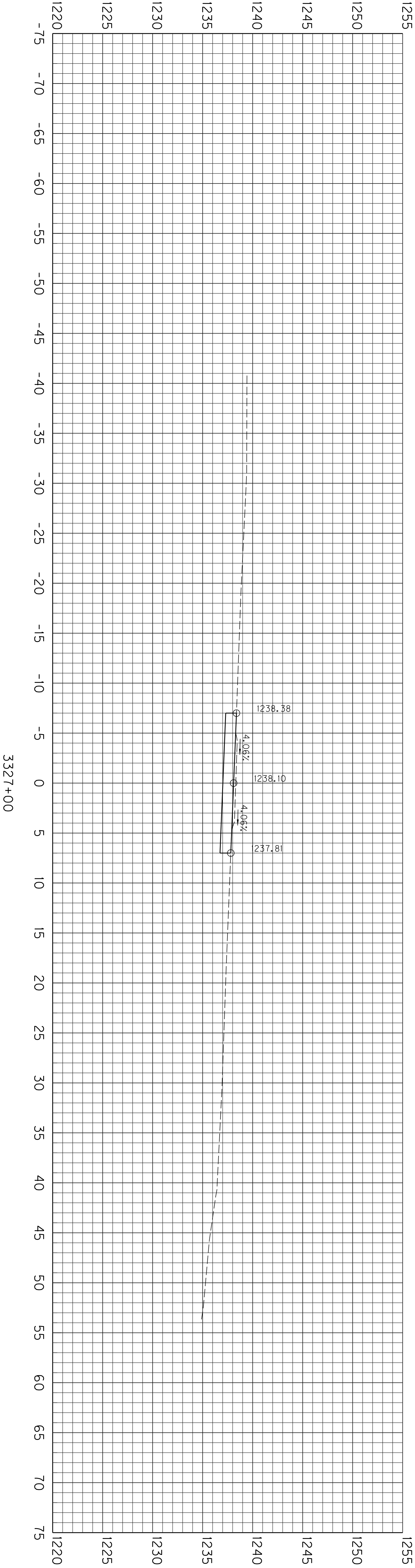
E-SHEET NAME:

\$\$\$\$DATE\$\$\$ NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



3327+50



3327+00

SCALE: 1"=5' HORIZ.
1"=5' VERT.

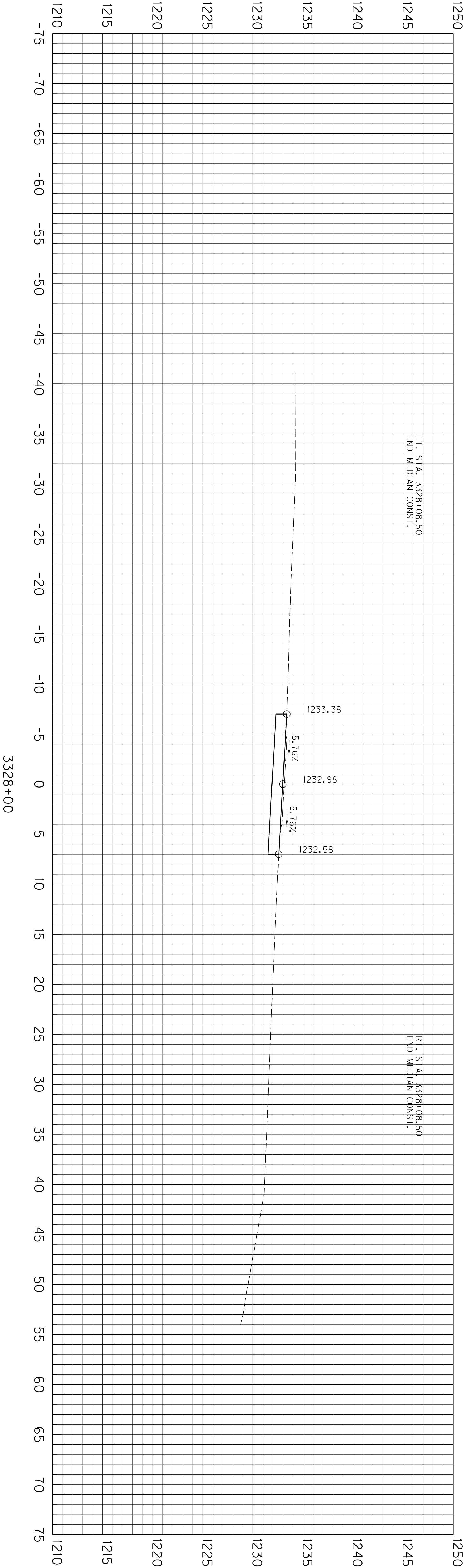
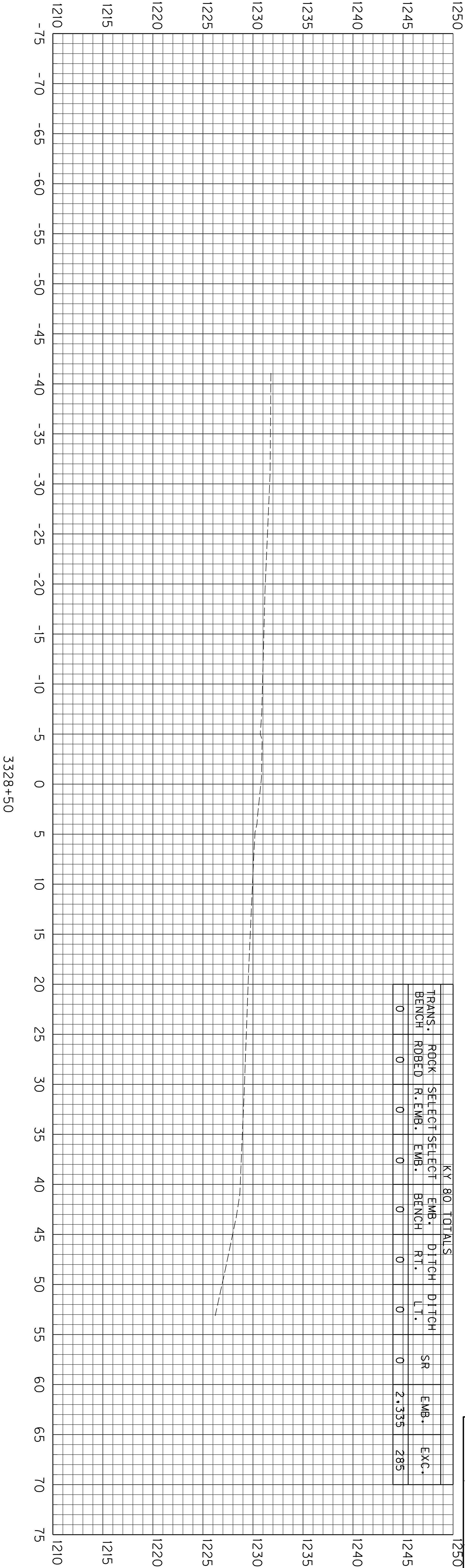
KY 80 CROSS SECTIONS
STA. 3327+00 TO STA. 3327+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY		X28

USER: \$\$\$\$USER\$\$\$
DATE: \$\$\$\$DATE\$\$\$
FILE NAME: \$\$\$\$design\$file\$specification\$\$\$

E-SHEET NAME: NAME.DGN

PREPARED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	



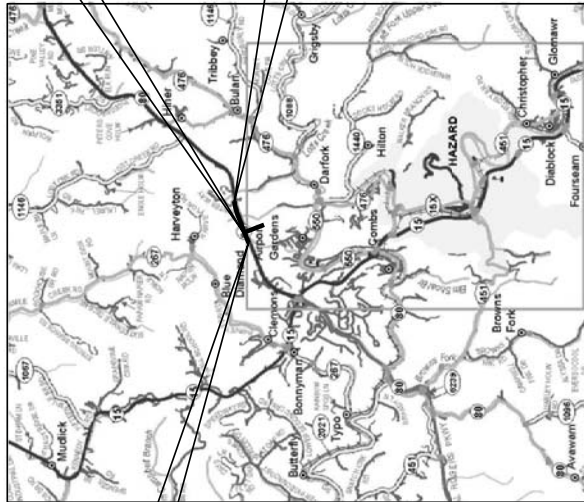
SCALE: 1"=5' HORIZ.
1"=5' VERT.

KY 80 CROSS SECTIONS
STA. 3328+00 TO STA. 3328+50

COUNTY OF	ITEM NO.	SHEET
PERRY	10-161.00	TI



SIGNAL PLANS
FOR
KY 80 IMPROVEMENTS &
SCHOOL ACCESS ROAD



BEGLEY L.L.C.
COUNTY OF
PERRY

PREPARED BY
PALMER ENGINEERING COMPANY

ITEM NO. 10-161.00
PROJECT FD04 SPP 097 0080 008-016
LETTING DATE AUGUST 17, 2012
DESIGNED BY CHRISTOPHER M. MICHAEL
FOR OWNER
APPROVED BY
PLAN APPROVED BY
STATE HIGHWAY ENGINEER

SHEET NO.	DESCRIPTION
T1	TITLE SHEET
T2	ESTIMATE OF QUANTITIES MEASUREMENTS, CONSTRUCTION AND ASSESSMENT NOTES, CONSTRUCTION AND CABINET DETAIL
T3	CONSTRUCTION AND CABINET DETAIL
T4	LOOP DETAILS
T5	POLE BASE/ SIGNAL HEADS DETAILS
T6	JUNCTION BOX AND CONDUIT DETAILS
T7	ANTENNA PLAN SHEET
T8	ADVANCED WARNING FLASHER PLAN SHEET
T9	SIGNAL PLAN SHEET

SHEETS NOT INCLUDED IN TOTAL SHEETS

STANDARD DRAWINGS
NUMBER TTC-005-01 TTC-006-01 TTC-008-01
NUMBER OF STANDARD DRAWINGS: 3

DESIGN CRITERIA

CLASS OF HIGHWAY RURAL ARTERIAL
TYPE OF TERRAIN MOUNTAINOUS
DESIGN SPEED 60 MPH
REQUIRED NP50 475
REQUIRED P50 N/A
LEVEL OF SERVICE N/A
ADT PRESENT () 13,000
ADT FUTURE () 1000
DMV 55/45
D % 10
T % 10

GEOGRAPHIC COORDINATES

LATITUDE 37 DEGREES 18 MINUTES 07 SECONDS NORTH
LONGITUDE 83 DEGREES 11 MINUTES 42 SECONDS WEST

DESIGNED

% RESTRICTED SD N/A
LEVEL OF SERVICE N/A
MAX. DISTANCE W/O PASSING N/A

KY 80		SCHOOL ACCESS RD.	
LENGTH 3800	LENGTH 1817	LENGTH 1817	LENGTH 1817
FOR EIGHTH (800 FT) - FOR EIGHTH (800 FT)	FOR EIGHTH (800 FT) - FOR EIGHTH (800 FT)	FOR EIGHTH (800 FT) - FOR EIGHTH (800 FT)	FOR EIGHTH (800 FT) - FOR EIGHTH (800 FT)
RAILROAD CROSSINGS NO. 0	RAILROAD CROSSINGS NO. 0	RAILROAD CROSSINGS NO. 0	RAILROAD CROSSINGS NO. 0
BRIDGES 0	BRIDGES 0	BRIDGES 0	BRIDGES 0

COUNTY OF	ITEM NO.	SHEET
PERRY	10-161.00	12

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
35	LIN FT	4792	CONDUIT 1 INCH
925	LIN FT	4793	CONDUIT 1 1/4 INCH
56	LIN FT	4795	CONDUIT 2 INCH
6	EACH	4811	JUNCTION BOX TYPE B
1016	LIN FT	4820	TRENCHING AND BACKFILLING
649	LIN FT	4830	LOOP WIRE
2415	LIN FT	4844	CABLE-NO. 14/5C
348	LIN FT	4845	CABLE-NO. 14/7C
1218	LIN FT	4850	CABLE-NO. 14/1 PAIR
890	LIN FT	4885	MESSENGER-10800 LB
525	LIN FT	4895	LOOP SAW SLOT AND FILL
1	EACH	4931	INSTALL SIG CONTROLLER-TYPE 170
6	EACH	4932	INSTALL STEEL STRAIN POLE
6	EACH	20188NS835	INSTALL SIGNAL-3 SECTION LED
31.5	CU YD	23157EN	TRAFFIC SIGNAL POLE BASE
1	EACH	23982EC	INSTALL ANTENNA
1	EACH	24525EC	ADVANCED WARNING FLASHER
4	EACH	20408NS835	INSTALL SIGNAL- 12" LED

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPRIAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP INSTALL ITEMS FROM THE FRANKFORT POLE YARD AND DELIVERING THESE ITEMS TO THE SITE. THE CONTRACTOR SHALL CONTACT FRANKFORT POLE YARD PERSONNEL (502-564-3820) AND ARRANGE TO PICK UP INSTALL ITEMS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. FAILURE TO PROVIDE POLE YARD PERSONNEL THIS ADVANCE NOTICE COULD RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE EQUIPMENT UPON ARRIVAL.

MEASUREMENT NOTES THAT ARE IN ADDITION TO SECTION 723

ADVANCE WARNING FLASHER SHALL INCLUDE FURNISHING AND INSTALLING A 48X48 INCH SIGN WITH CHANNEL POSTS AND A 72X44 INCH SPAN MOUNTED SIGN, AS SPECIFIED. THIS ITEM SHALL INCLUDE CONDUIT FROM STEEL STRAIN POLE TO SIGNAL HEADS ON THE SIDE MOUNT SIGN, CONDUIT FITTINGS AND STRAPS, AND ALL ASSOCIATED SIGN MOUNTING HARDWARE FOR BOTH SIGNS.

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION-03.02 POLES AND BASES INSTALLATION.
REPLACE THE SECOND PARAGRAPH WITH THE FOLLOWING:
REVISION: REPLACE THE SECOND PARAGRAPH WITH THE FOLLOWING:

FOR CONCRETE BASE INSTALLATION, SEE SECTION 716.03.02, B1, 21, PARAGRAPHS 3-8. DRILLED SHAFT DEPTH SHALL BE BASED ON THE SOIL CONDITIONS ENCOUNTERED DURING DRILLING AND SLOP CONDITION AT THE SITE. REFER TO THE DESIGN CHART BELOW.

SUBSECTION: 04.10 SIGNAL PEDESTAL
REVISION: INCLUDE REINFORCING STEEL TO LIST OF ITEMS THAT THE DEPARTMENT WILL NOT MEASURE.

SUBSECTION: 04.15 LOOP SAW SLOT AND FILL.
REVISION: REPLACE THE SECOND SENTENCE WITH THE FOLLOWING:

THE DEPARTMENT WILL NOT MEASURE SAWING, CLEANING AND FILLING INDUCTION LOOP, SAW SLOT, LOOP SEALANT, BACKER ROD, AND GROUT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

TRAFFIC SIGNAL
ESTIMATE OF QUANTITIES
MEASUREMENT, CONST, AND MISC NOTES

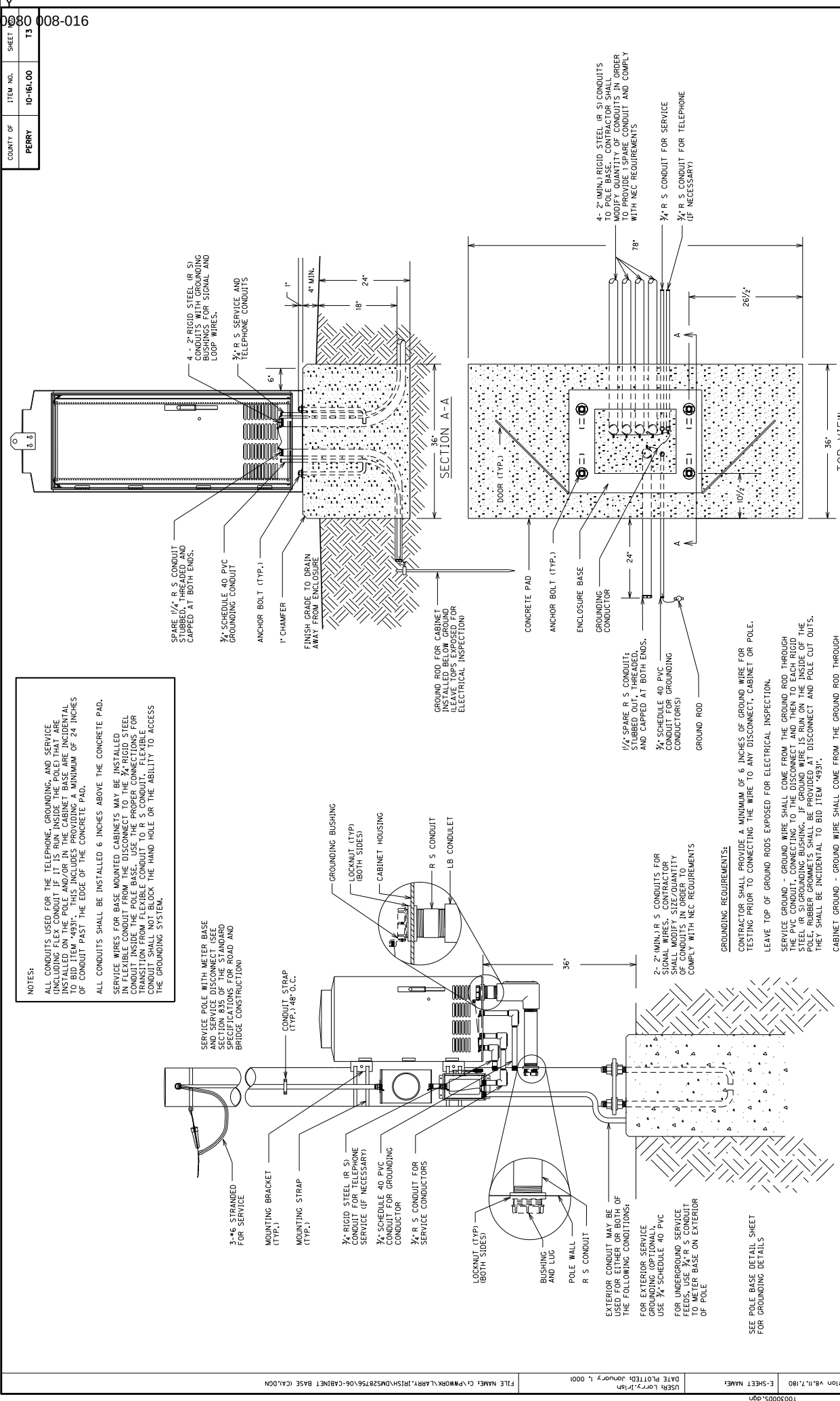
COUNT OF	ITEM NO.	SHEET
PERRY	10-161.00	T3

NOTES:

ALL CONDUITS USED FOR THE TELEPHONE, GROUNDING, AND SERVICE (INCLUDING FLEX CONDUIT IF IT IS RUN INSIDE THE POLE) THAT ARE INSTALLED ON POLES OR FROM THE CABINET BASE ARE INCIDENTAL TO BID ITEM #4931. THIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT PAST THE EDGE OF THE CONCRETE PAD.

ALL CONDUITS SHALL BE INSTALLED 6 INCHES ABOVE THE CONCRETE PAD.

SERVICE WIRES FOR BASE MOUNTED CABINETS MAY BE INSTALLED IN FLEXIBLE CONDUIT FROM THE DISCONNECT TO THE 3/4" RIGID STEEL CONDUIT INSIDE THE POLE BASE. USE THE PROPER CONNECTIONS FOR TRANSITION FROM FLEXIBLE CONDUIT TO R S CONDUIT. FLEXIBLE CONDUIT SHALL BE USED TO PROTECT THE HAND HOLE OR THE ABILITY TO ACCESS THE GROUNDING SYSTEM.

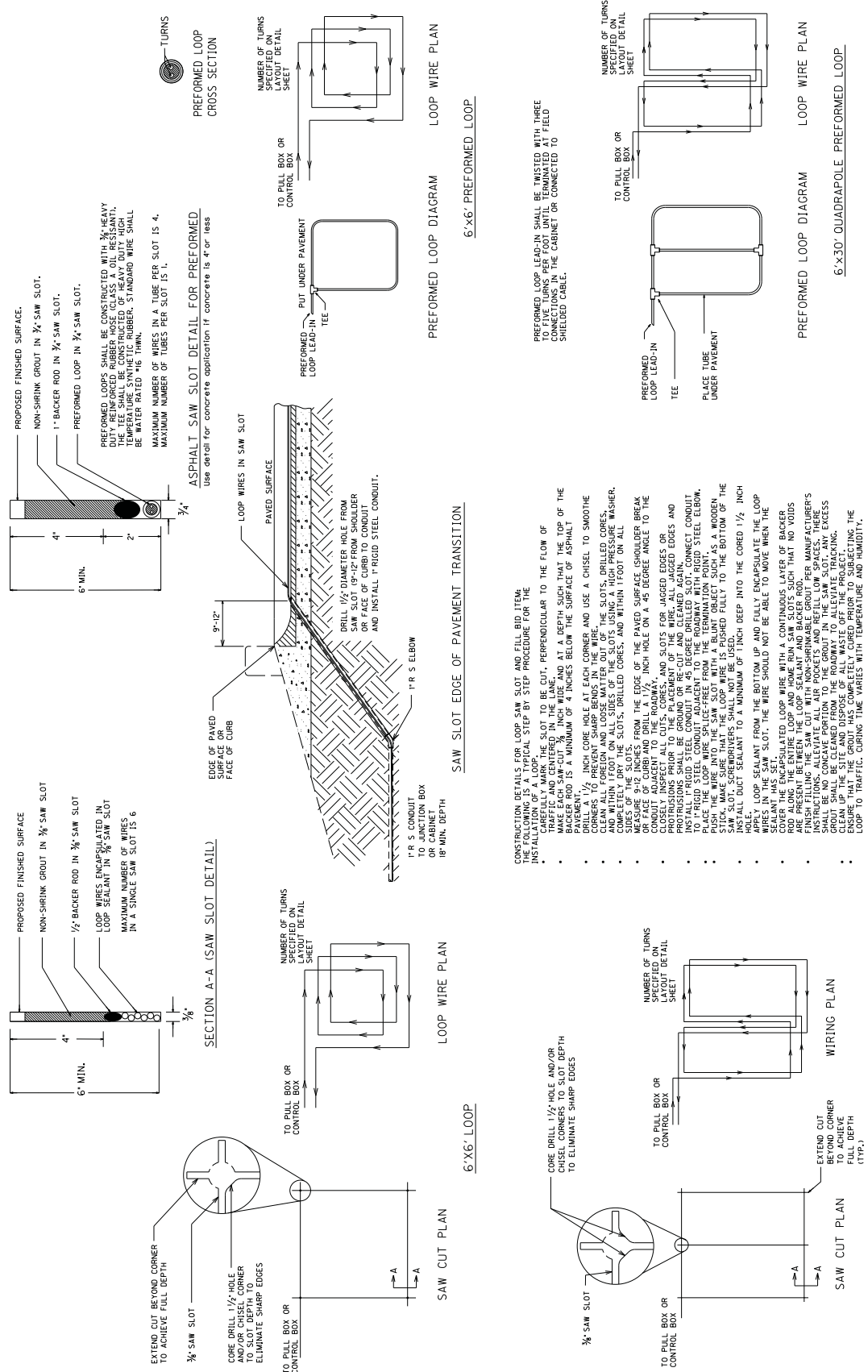


STEEL POLE MOUNT ENCLOSURE

PAD MOUNT ENCLOSURE

CONTROLLER CABINET DETAIL

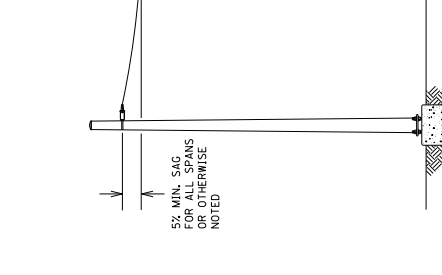
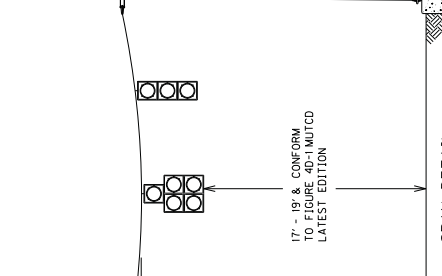
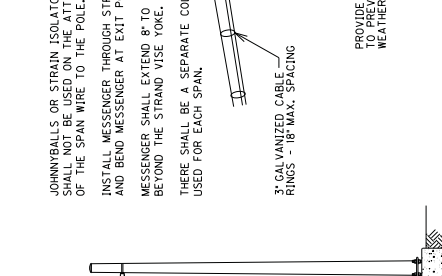
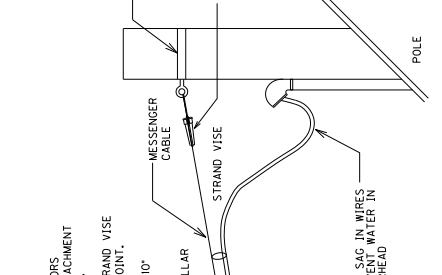
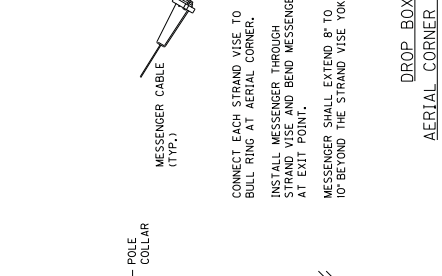
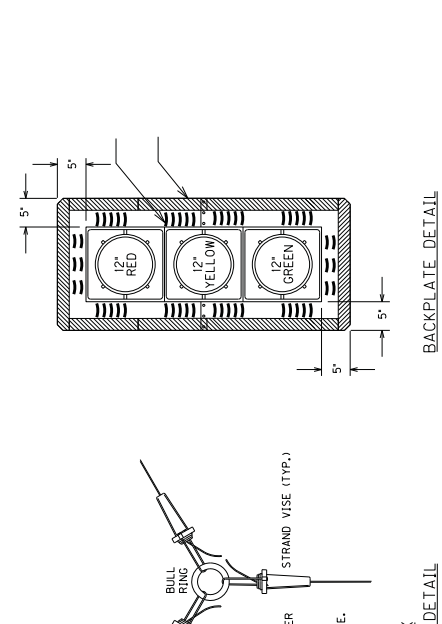
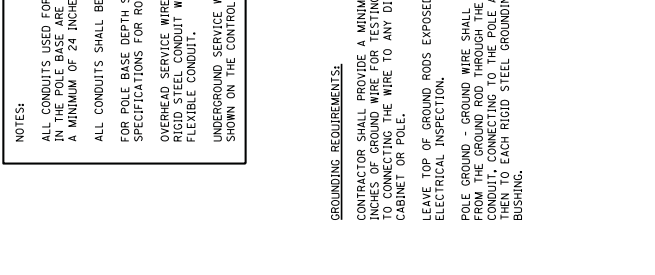
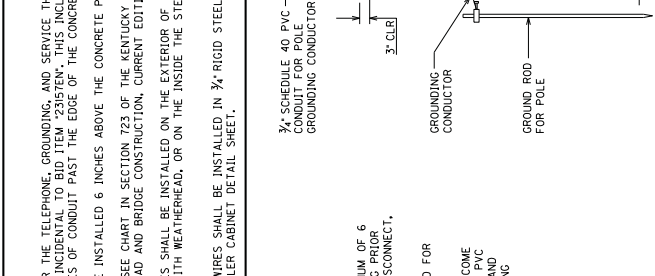
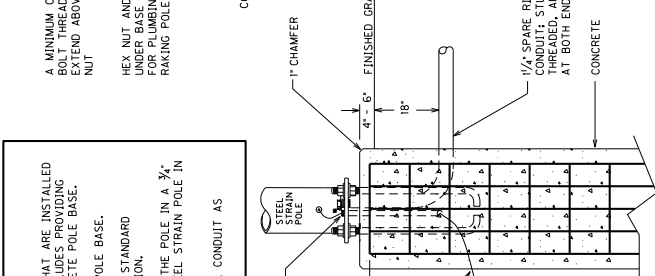
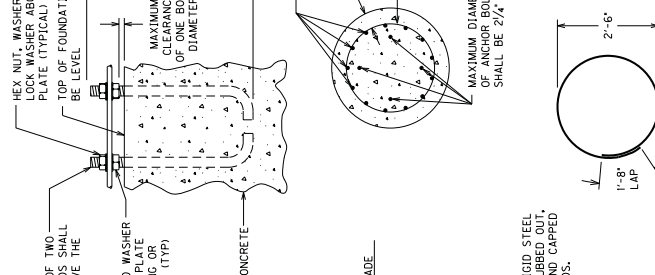
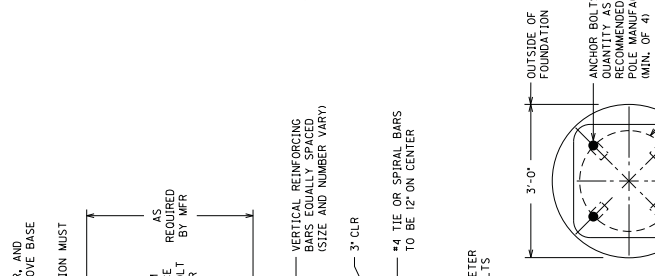
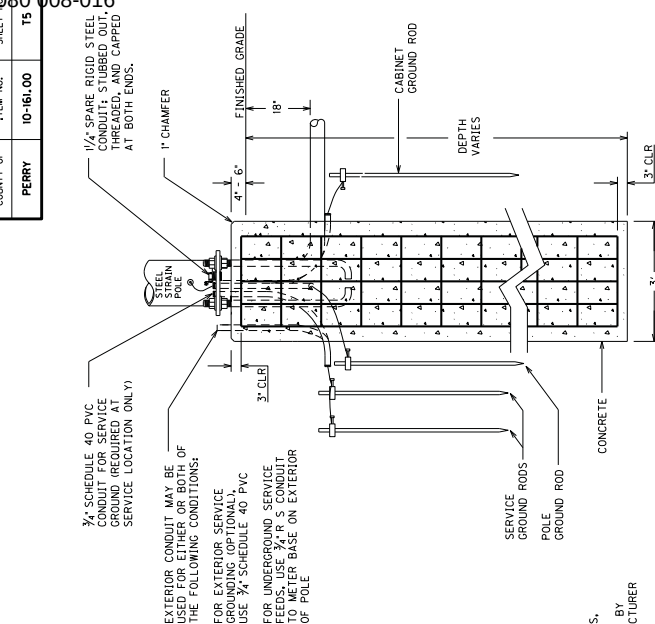
COUNTY OF	ITEM NO.	SHEET
PERRY	10-161.00	14



LOOP DETAILS

6/22/2012

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-161.00	T5



POLE BASE/SIGNAL HEAD DETAILS

1

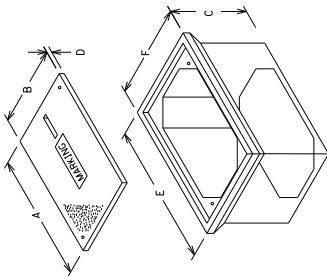


6/22/2012

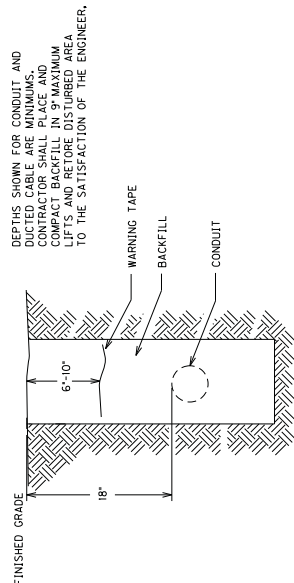
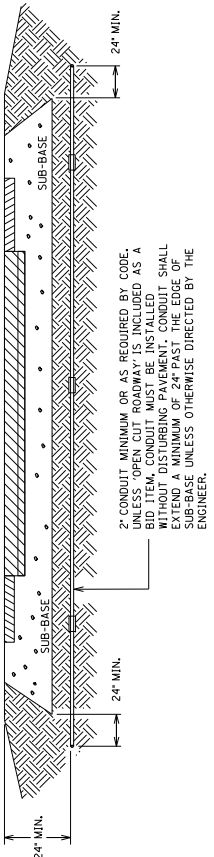
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-161.00	16

JUNCTION BOX DIMENSIONS (NOMINAL)						
	A	B	C	D	E	F
TYPE A	23"	14"	27"	2"	25"	15"
TYPE B	18"	11"	12"	1 3/4"	20"	13"
TYPE C	36"	24"	30"	3"	38"	26"

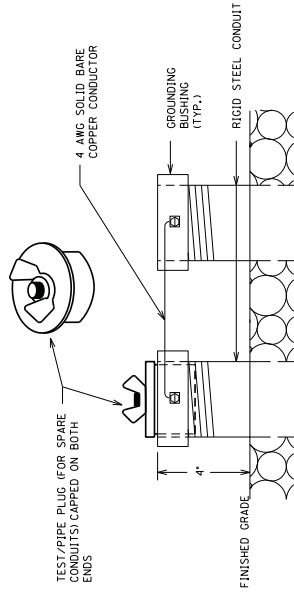
• MINIMUM
NOTE: STACKABLE BOXES ARE PERMITTED



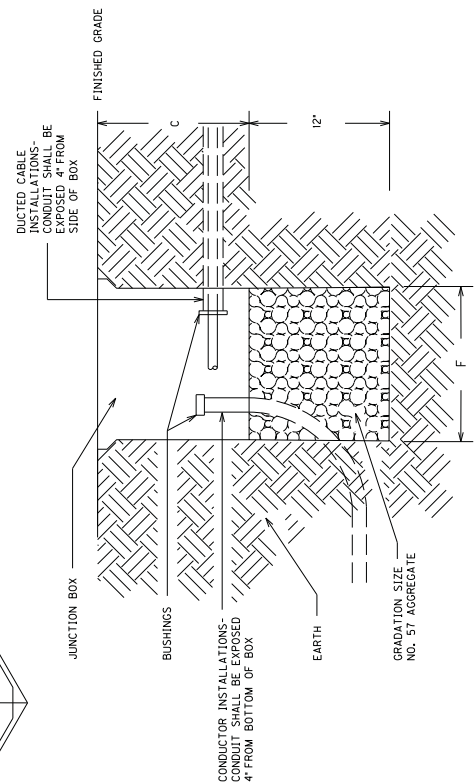
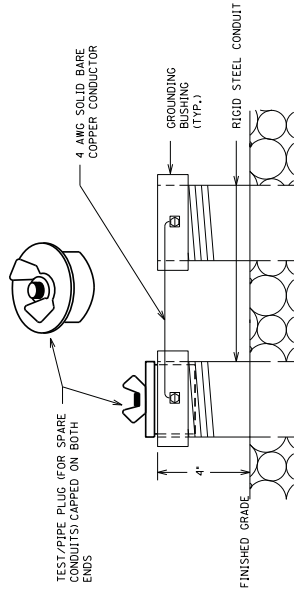
CONDUIT INSTALLATION UNDER EXISTING PAVEMENT DETAIL



CONDUIT AND WARNING TAPE TRENCH

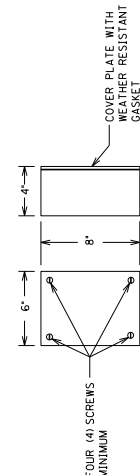


TEST/PIPE PLUG(FOR SPARE CONDUITS) AND GROUNDING DETAIL



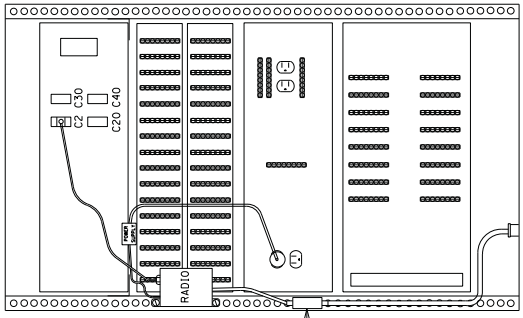
JUNCTION BOX

SPLICE BOX SHALL BE FABRICATED FROM MINIMUM 16 GAUGE STEEL AND SHALL HAVE NO KNOCKOUTS AND SHALL BE PROVIDED WITH A WEATHER RESISTANT GASKET AND A MINIMUM 1/4\"/>



SPLICE BOX

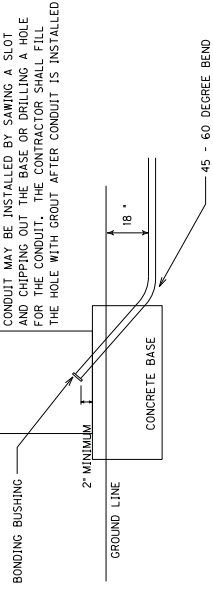
COUNTY OF	ITEM NO.	SHEET
PERRY	10-161.00	17



RADIO INSTALLATION
(REAR OF CABINET)

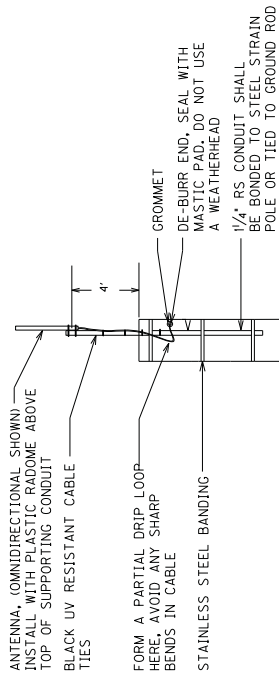
Surge protector shall be mounted to cabinet. There shall be no sharp bends in the coaxial cable.

IF CABINET WIRING MUST BE DISCONNECTED FOR THIS OPERATION, ALL WIRES SHALL BE NEATLY LABELED WITH PERMANENT NON-FADING LABELS AND RE-CONNECTED AFTER INSTALLING CONDUIT



ADDING NEW CONDUIT TO EXISTING BASE

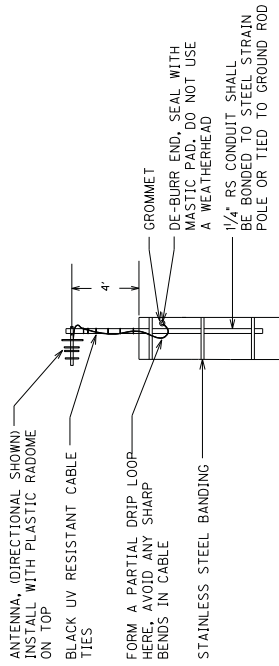
RADIO ANTENNA DETAIL



STEEL STRAIN OR
MAST ARM POLE

CABINET

TYPICAL ANTENNA INSTALLATION
FOR STEEL AND MAST ARM POLES
WITH POLE MOUNT CONTROLLER CABINET



STEEL STRAIN OR
MAST ARM POLE

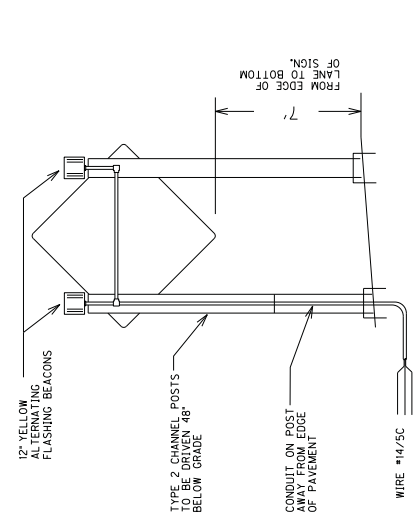
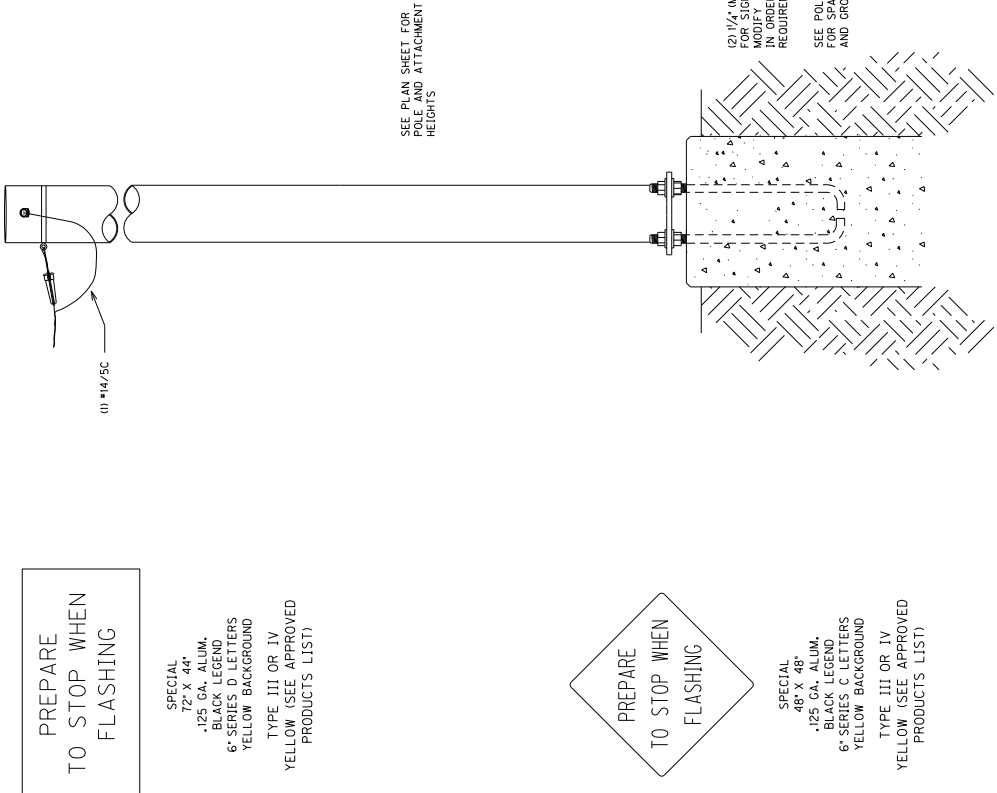
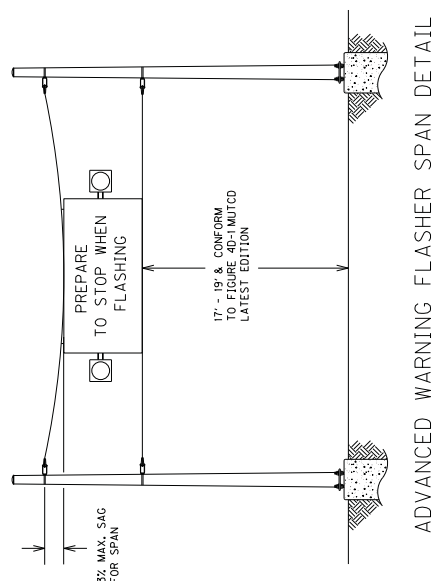
CABINET

EXISTING CONDUIT TO
EXISTING CONTROLLER

TYPICAL ANTENNA INSTALLATION
FOR STEEL AND MAST ARM POLES
WITH BASE MOUNT CONTROLLER CABINET

8/2004

COUNTY OF	ITEM NO.	SHEET
PERRY	10-161.00	T8



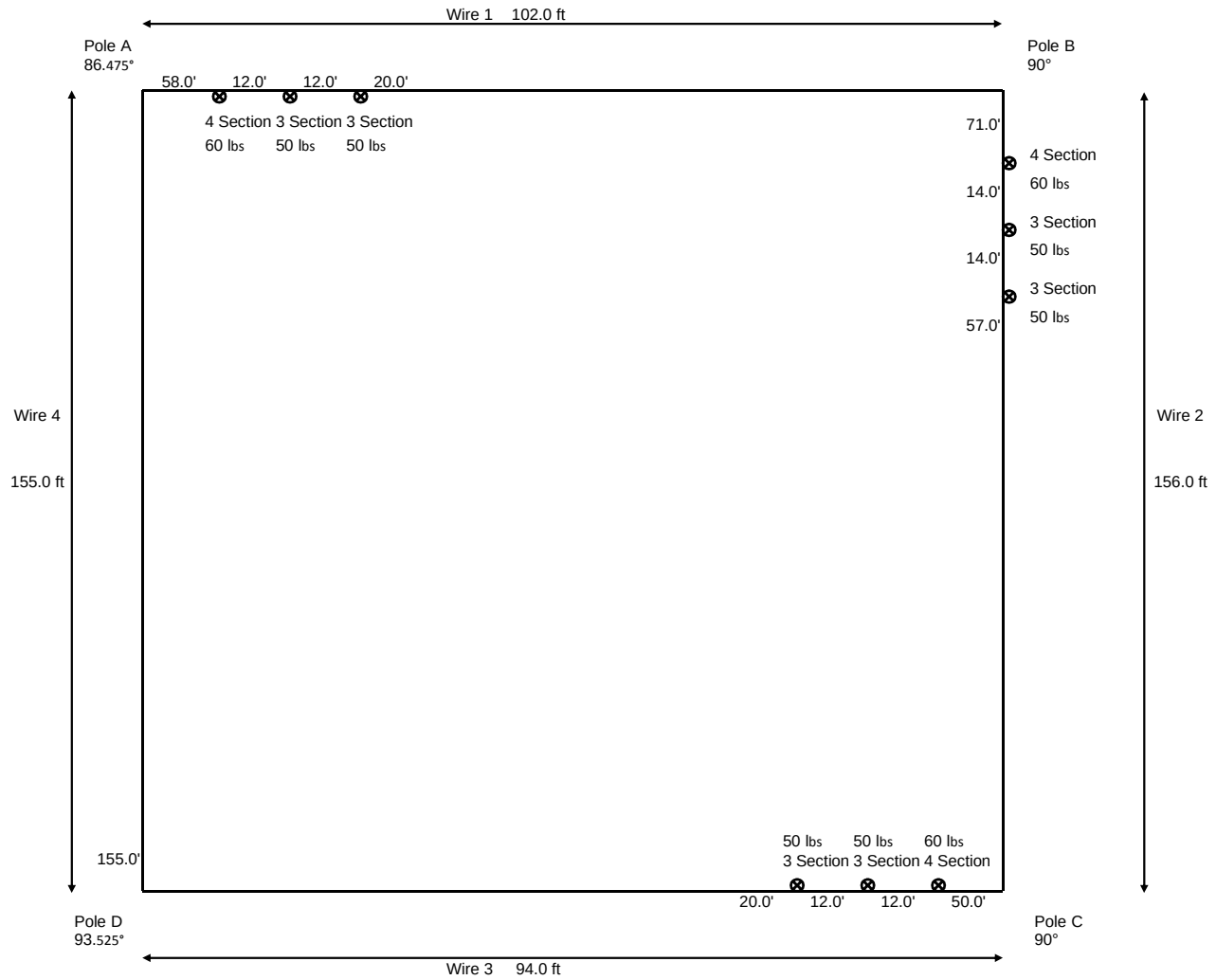
WIRE SPAN REACTIONS

Designer: Chris Mische Date: 07/16/12

Checker: Stephen Sew Date:

Job Description: KY 80 @Begley/School Entrance





Reactions

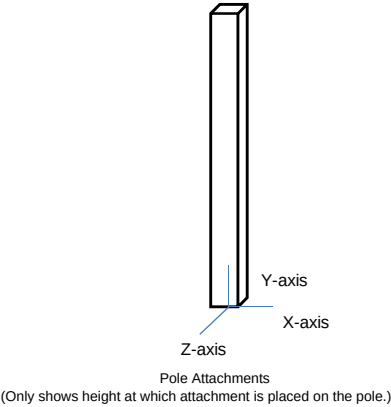
Wire Load			
	Service Wire Tension (lbs)	Load Factors	Factored Wire Tension (lbs)
Wire 1	3,882	2.25	8,734
Wire 2	4,923	2.25	11,077
Wire 3	3,790	2.25	8,528
Wire 4	1,279	2.25	2,877

Pole Load

	Pole Type Height(ft), Tension(X 1000), Deflection(in/100lbs), Bolt Circle(in)	Service Pole Tension (lbs)	Load Factors	Factored Pole Tension (lbs)	Service Groundline Moment (kip-ft)	Maximum Deflection Rate
A	32', 10.7, .24, 24	5,135	1.45	7,446	132	0.535
B	32', 10.7, .24, 24	7,244	1.45	10,504	185	0.354
C	32', 10.7, .24, 24	7,188	1.45	10,422	190	0.367
D	32', 10.7, .24, 24	4,900	1.45	7,104	125	0.561

Attachment Heights

Wire 1	Pole A =	28.0 ft
	Pole B =	27.0 ft
Wire 2	Pole B =	27.0 ft
	Pole C =	28.0 ft
Wire 3	Pole C =	28.0 ft
	Pole D =	28.0 ft
Wire 4	Pole D =	28.0 ft
	Pole A =	28.0 ft



Right-of-Way Certification Form

RECEIVED
Revised 2/22/11

JUN 29 2012

Div Right of Way & Utilities

☐ Federal Funded

☒ Original

☒ State Funded

☐ Re-Certification

This form must be completed and submitted to FHWA with the PS&E package for federal-aid funded Interstate, Appalachia, and Major projects. This form shall also be submitted to FHWA for all federal-aid projects that fall under Conditions No. 2 or 3 outlined elsewhere in this form. When Condition No. 2 or 3 apply, KYTC shall resubmit this ROW Certification prior to construction contract Award. For all other federal-aid projects, this form shall be completed and retained in the KYTC project file.

Date: 27 June 2K12

Project Name: Hazard - Watergap Road (KY 80)

Letting Date: August 2K12

Project #: FD04 097 0080 008-016

County: Perry

Item #: 10 - 0161.00

Federal #: _____

Description of Project: Pavement rehabilitation on 6.67 miles of KY 80.

Projects that require **NO** new or additional right-of-way acquisitions and/or relocations

- ☒ The proposed transportation improvement will be built within the existing rights-of-way and there are no properties to be acquired, individuals, families, and businesses ("relocatees") to be relocated, or improvements to be removed as a part of this project.

Projects that require new or additional right-of-way acquisitions and/or relocations

- ☐ Per 23 CFR 635.309, the KYTC hereby certify that all relocatees have been relocated to decent, safe, and sanitary housing or that KYTC has made available to relocatees adequate replacement housing in accordance with the provisions of the current FHWA directive(s) covering the administration of the Highway Relocation Assistance Program and that at least one of the following three conditions has been met. (Check those that apply.)

- ☐ **Condition 1.** All necessary rights-of-way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Fair market value has been paid or deposited with the court.

- ☐ **Condition 2.** Although all necessary rights-of-way have not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Trial or appeal of some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Fair market value has been paid or deposited with the court for most parcels. Fair market value for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract. (See note 1 below.)

Note 1: The KYTC shall re-submit a right-of-way certification form for this project prior to AWARD of all Federal-Aid construction contracts. Award must not to be made until after KYTC has obtained full legal possession and fair market value for all parcels has been paid or deposited with the court and FHWA has concurred in the re-submitted right-of-way certification.

Right-of-Way Certification Form

Revised 2/22/11

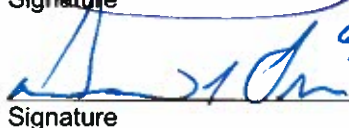
- ☐ **Condition 3.** The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. However, all remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. The KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary rights-of-way will not be fully acquired, and/or some occupants will not be relocated, and/or the fair market value will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction. A full explanation and reason for this request, including identification of each such parcel and dates on which acquisitions, payments, and relocations will be completed, is attached to this certification form for FHWA concurrence. (See note 2.)

Note 2: The KYTC may request authorization on this basis only in unique and unusual circumstances. Proceeding to bid letting shall be the exception and never become the rule. In all cases, the KYTC shall make extraordinary efforts to expedite completion of the acquisition, payment for all affected parcels, and the relocation of all relocatees prior to AWARD of all Federal-Aid construction contracts or force account construction.

Approved: Bruce K. Napier
Printed Name


Signature Right-of-Way Supervisor

Approved: DAVID L. ORR
Printed Name

 6/29/12
Signature KYTC, Director of ROW & Utilities

Approved: _____
Printed Name

Signature FHWA, ROW Officer (when applicable)

Right-of-Way Certification Form

Revised 2/22/11

Date: _____

Project Name: _____

Project #: _____

Item #: _____

Letting Date: _____

County: _____

Federal #: _____

This project has _____ total number of parcels to be acquired, and _____ total number of individuals or families to be relocated, as well as _____ total number of businesses to be relocated.

_____ Parcels where acquired by a signed fee simple deed and fair market value has been paid

_____ Parcels have been acquired by IOJ through condemnation and fair market value has been deposited with the court

_____ Parcels have not been acquired at this time (*explain below for each parcel*)

_____ Parcels have been acquired or have a "right of entry" but fair market value has not been paid or has not been deposited with the court (*explain below for each parcel*)

_____ Relocatees have not been relocated from parcels _____, _____, _____, _____, _____, _____, and _____ (*explain below for each parcel*)

Parcel #	Name/Station	Explanation for delayed acquisition, delayed relocation, or delayed payment of fair market value	Proposed date of payment or of relocation

There are _____ billboards and/or _____ cemeteries involved on this project.

There are _____ water or monitoring wells on parcels _____, _____, _____, _____, and _____. All have been acquired and are the responsibility of the project contractor to close/cap.

Form Effective Date: April 1, 2006

Last Revised: February 22, 2011

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

Any reference in the plans or proposal to previous editions of the *Standard Specifications for Road and Bridge Construction* and *Standard Drawings* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2012* and *Standard Drawings, Edition of 2012 with the 2012 Revision*.

**Supplemental Specifications to the Standard Specifications for Road and
Bridge Construction, 2012 Edition**

(Effective with the August 17, 2012 Letting)

Subsection:	402.03.02 Contractor Quality Control and Department Acceptance.
Part:	D) Testing Responsibilities.
Number:	4) Density.
Revision:	Replace the second sentence of the Option A paragraph with the following: Perform coring by the end of the following work day.
Subsection:	606.03.17 Special Requirements for Latex Concrete Overlays.
Part:	A) Existing Bridges and New Structures.
Number:	1) Prewetting and Grout-Bond Coat.
Revision:	Add the following sentence to the last paragraph: Do not apply a grout-bond coat on bridge decks prepared by hydrodemolition.
Subsection:	609.03 Construction.
Revision:	Replace Subsection 609.03.01 with the following: 609.03.01 A) Swinging the Spans. Before placing concrete slabs on steel spans or precast concrete release the temporary erection supports under the bridge and swing the span free on its supports. 609.03.01 B) Lift Loops. Cut all lift loops flush with the top of the precast beam once the beam is placed in the final location and prior to placing steel reinforcement. At locations where lift loops are cut, paint the top of the beam with galvanized or epoxy paint.

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS

LABOR AND WAGE REQUIREMENTS APPLICABLE TO OTHER THAN FEDERAL-AID SYSTEM PROJECTS

- I. Application
- II. Nondiscrimination of Employees (KRS 344)
- III. Payment of Predetermined Minimum Wages
- IV. Statements and Payrolls

I. APPLICATION

1. These contract provisions shall apply to all work performed on the contract by the contractor with his own organization and with the assistance of workmen under his immediate superintendence and to all work performed on the contract by piecework, station work or by subcontract. The contractor's organization shall be construed to include only workmen employed and paid directly by the contractor and equipment owned or rented by him, with or without operators.

2. The contractor shall insert in each of his subcontracts all of the stipulations contained in these Required Provisions and such other stipulations as may be required.

3. A breach of any of the stipulations contained in these Required Provisions may be grounds for termination of the contract.

II. NONDISCRIMINATION OF EMPLOYEES

AN ACT OF THE KENTUCKY GENERAL ASSEMBLY TO PREVENT DISCRIMINATION IN EMPLOYMENT KRS CHAPTER 344 EFFECTIVE JUNE 16, 1972

The contract on this project, in accordance with KRS Chapter 344, provides that during the performance of this contract, the contractor agrees as follows:

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (between forty and seventy); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age (between forty and seventy). The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, disability or age (between forty and seventy), except that such notice or advertisement may indicate a preference, limitation, or specification based on religion, or national origin when religion, or national origin is a bona fide occupational qualification for employment.

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual

because of his race, color, religion, national origin, sex, disability or age (between forty and seventy), in admission to, or employment in any program established to provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

III. PAYMENT OF PREDETERMINED MINIMUM WAGES

1. These special provisions are supplemented elsewhere in the contract by special provisions which set forth certain predetermined minimum wage rates. The contractor shall pay not less than those rates.

2. The minimum wage determination schedule shall be posted by the contractor, in a manner prescribed by the Department of Highways, at the site of the work in prominent places where it can be easily seen by the workers.

IV. STATEMENTS AND PAYROLLS

1. All contractors and subcontractors affected by the terms of KRS 337.505 to 337.550 shall keep full and accurate payroll records covering all disbursements of wages to their employees to whom they are required to pay not less than the prevailing rate of wages. Payrolls and basic records relating thereto will be maintained during the course of the work and preserved for a period of one (1) year from the date of completion of this contract.

2. The payroll records shall contain the name, address and social security number of each employee, his correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid.

3. The contractor shall make his daily records available at the project site for inspection by the State Department of Highways contracting office or his authorized representative.

Periodic investigations shall be conducted as required to assure compliance with the labor provisions of the contract. Interrogation of employees and officials of the contractor shall be permitted during working hours.

Aggrieved workers, Highway Managers, Assistant District Engineers, Resident Engineers and Project Engineers shall report all complaints and violations to the Division of Contract Procurement.

The contractor shall be notified in writing of apparent violations. The contractor may correct the reported violations and notify the Department of Highways of the action taken or may request an informal hearing. The request for hearing shall be in writing within ten (10) days after receipt of the notice of the reported violation. The contractor may submit

records and information which will aid in determining the true facts relating to the reported violations.

Any person or organization aggrieved by the action taken or the findings established as a result of an informal hearing by the Division of Contract Procurement may request a formal hearing.

4. The wages of labor shall be paid in legal tender of the United States, except that this condition will be considered satisfied if payment is made by a negotiable check, on a solvent bank, which may be cashed readily by the employee in the local community for the full amount, without discount or collection charges of any kind. Where checks are used for payments, the contractor shall make all necessary arrangements for them to be cashed and shall give information regarding such arrangements.

5. No fee of any kind shall be asked or accepted by the contractor or any of his agents from any person as a condition of employment on the project.

6. No laborers shall be charged for any tools used in performing their respective duties except for reasonably avoidable loss or damage thereto.

7. Every employee on the work covered by this contract shall be permitted to lodge, board, and trade where and with whom he elects and neither the contractor nor his agents, nor his employees shall directly or indirectly require as a condition of employment that an employee shall lodge, board or trade at a particular place or with a particular person.

8. Every employee on the project covered by this contract shall be an employee of either the prime contractor or an approved subcontractor.

9. No charge shall be made for any transportation furnished by the contractor or his agents to any person employed on the work.

10. No individual shall be employed as a laborer or mechanic on this contract except on a wage basis, but this shall not be construed to prohibit the rental of teams, trucks or other equipment from individuals.

No Covered employee may be employed on the work except in accordance with the classification set forth in the schedule mentioned above; provided, however, that in the event additional classifications are required, application shall be made by the contractor to the Department of Highways and (1) the Department shall request appropriate classifications and rates from the proper agency, or (2) if there is urgent need for additional classification to avoid undue delay in the work, the contractor may employ such workmen at rates deemed comparable to rates established for similar classifications provided he has made written application through the Department of Highways, addressed to the proper agency, for the supplemental rates. The contractor shall retroactively adjust, upon receipt of the supplemental rates schedule, the wages of any employee paid less than the established rate and may adjust the wages of any employee overpaid.

11. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic in any work-week in which he is employed on such work, to work in excess of eight hours in any calendar day or in excess of forty hours in such work-week unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all hours worked in excess of eight hours in any calendar day or in excess of forty hours in such work-week. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. This agreement shall be in writing and shall be executed prior to the employee working in excess of eight (8) hours, but not more than ten (10) hours, in any one (1) calendar day.

12. Payments to the contractor may be suspended or withheld due to failure of the contractor to pay any laborer or

mechanic employed or working on the site of the work, all or part of the wages required under the terms of the contract. The Department may suspend or withhold payments only after the contractor has been given written notice of the alleged violation and the contractor has failed to comply with the wage determination of the Department of Highways.

13. Contractors and subcontractors shall comply with the sections of Kentucky Revised Statutes, Chapter 337 relating to contracts for Public Works.

Revised 2-16-95

EXECUTIVE BRANCH CODE OF ETHICS

In the 1992 regular legislative session, the General Assembly passed and Governor Brereton Jones signed Senate Bill 63 (codified as KRS 11A), the Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (6) provides:

No present or former public servant shall, within six (6) months of following termination of his office or employment, accept employment, compensation or other economic benefit from any person or business that contracts or does business with the state in matters in which he was directly involved during his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved in state government. This subsection shall not prohibit the performance of ministerial functions, including, but not limited to, filing tax returns, filing applications for permits or licenses, or filing incorporation papers.

KRS 11A.040 (8) states:

A former public servant shall not represent a person in a matter before a state agency in which the former public servant was directly involved, for a period of one (1) year after the latter of:

- a) The date of leaving office or termination of employment; or
- b) The date the term of office expires to which the public servant was elected.

This law is intended to promote public confidence in the integrity of state government and to declare as public policy the idea that state employees should view their work as a public trust and not as a way to obtain private benefits.

If you have worked for the executive branch of state government within the past six months, you may be subject to the law's prohibitions. The law's applicability may be different if you hold elected office or are contemplating representation of another before a state agency.

Also, if you are affiliated with a firm which does business with the state and which employs former state executive-branch employees, you should be aware that the law may apply to them.

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, Room 136, Capitol Building, 700 Capitol Avenue, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Kentucky Equal Employment Opportunity Act of 1978

The requirements of the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) shall apply to this Contract. The apparent low Bidder will be required to submit EEO forms to the Division of Construction Procurement, which will then forward to the Finance and Administration Cabinet for review and approval. No award will become effective until all forms are submitted and EEO/CC has certified compliance. The required EEO forms are as follows:

- EEO-1: Employer Information Report
- Affidavit of Intent to Comply
- Employee Data Sheet
- Subcontractor Report

These forms are available on the Finance and Administration's web page under ***Vendor Information, Standard Attachments and General Terms*** at the following address:
<https://www.eProcurement.ky.gov>.

Bidders currently certified as being in compliance by the Finance and Administration Cabinet may submit a copy of their approval letter in lieu of the referenced EEO forms.

For questions or assistance please contact the Finance and Administration Cabinet by email at **finance.contractcompliance@ky.gov** or by phone at 502-564-2874.

KENTUCKY LABOR CABINET
PREVAILING WAGE DETERMINATION
CURRENT REVISION
HIGHWAY CONSTRUCTION LOCALITY NO. II

Determination No. CR-11-II-HWY

Project No.
Highway

Date of Determination: August 4, 2011

This schedule of the prevailing rate of wages for Locality No. II including the counties of ADAIR, BARREN, BELL, BREATHITT, CASEY, CLAY, CLINTON, CUMBERLAND, ESTILL, FLOYD, GARRARD, GREEN, HARLAN, HART, JACKSON, JOHNSON, KNOTT, KNOX, LAUREL, LAWRENCE, LEE, LESLIE, LETCHER, LINCOLN, MCCREARY, MAGOFFIN, MARTIN, MENIFEE, METCALFE, MONROE, MORGAN, OWSLEY, PERRY, PIKE, POWELL, PULASKI, ROCKCASTLE, RUSSELL, TAYLOR, WAYNE, WHITLEY, and WOLFE has been determined in accordance with the provisions of KRS 337.505 to 337.550. This determination shall be referred to as Prevailing Wage Determination No. CR-11-II-HWY.

The following schedule of rates is to be used for highway construction projects advertised or awarded by the Kentucky Transportation Cabinet. This includes any contracts for the relocation of any utilities or other incidental construction projects advertised or awarded by public authorities as a result of the highway construction project.

Apprentices or trainees shall be permitted to work in accordance with Administrative Regulations adopted by the Commissioner of the Department of Workplace Standards. Copies of these regulations will be furnished upon request to any interested person.

Overtime is to be computed at not less than one and one-half (1 1/2) times the indicated BASE RATE for all hours worked in excess of eight (8) hours per day, or in excess of forty (40) hours per week. However, KRS 337.540 permits an employee and employer to agree, in writing, that the employee will be compensated at a straight time base rate for hours worked in excess of eight (8) hours in any one calendar day, but not more than ten (10) hours worked in any one calendar day, if such written agreement is prior to the over eight (8) hours in a calendar day actually being worked, or where provided for in a collective bargaining agreement. The fringe benefit rate is to be paid for each hour worked at a straight time rate for all hours worked. Fringe benefit amounts are applicable for all hours worked except when otherwise noted. Welders will receive rate for craft in which welding is incidental.

No laborer, workman or mechanic shall be paid at a rate less than that of the General Laborer except those classified as bona fide apprentices registered with the Kentucky State Apprenticeship Supervisor unless otherwise specified in this schedule of wage rates.


Michael Donta, Deputy Commissioner
Department of Workplace Standards

RATE AND FRINGE BENEFITS

BOILERMAKERS:	BASE RATE	\$24.65
	FRINGE BENEFIT	12.94

BRICKLAYERS:		
Bricklayers:	BASE RATE	\$22.90
	FRINGE BENEFITS	8.50

Stone Mason:	BASE RATE	\$21.50
	FRINGE BENEFITS	8.50

CARPENTERS:		
Carpenters:	BASE RATE	\$22.40
	FRINGE BENEFITS	8.75

Piledrivers:	BASE RATE	\$22.05
	FRINGE BENEFITS	8.75

CEMENT MASONS:	BASE RATE	\$21.25
	FRINGE BENEFITS	8.50

ELECTRICIANS:	*BASE RATE	\$29.36
	FRINGE BENEFITS	10.55

*When workmen are required to work from bosum chairs, trusses, stacks, tanks, scaffolds, catwalks, radio and T.V. towers, structural steel (open, unprotected, unfloored raw steel), and bridges or similar hazardous locations where workmen are subject to a direct fall, except where using JLG's and bucket trucks up to 75 feet: Add 25% to workman's base rate for 50 to 75 feet, and add 50% to workman's base rate for over 75 feet.

LINEMAN:	*BASE RATE	\$30.09
	FRINGE BENEFITS	10.94

EQUIPMENT OPERATOR:	*BASE RATE	\$26.90
	FRINGE BENEFITS	10.31

GROUNDSMAN:	*BASE RATE	\$17.79
	FRINGE BENEFITS	8.51

IRONWORKERS:		
	BASE RATE	\$ 25.77
	FRINGE BENEFITS	18.54

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

LABORERS:

General laborer, flagman, steam jenny:	BASE RATE	\$20.84
	FRINGE BENEFITS	8.75
Batch truck dumper, deck hand or scow man, hand blade operator:	BASE RATE	\$20.84
	FRINGE BENEFITS	8.75
Power driven tool operator of the following: wagon drill, chain saw, sand blaster, concrete chipper, pavement breaker, vibrator, power wheelbarrow, power buggy, sewer pipe layer, bottom men, dry cement handler, concrete rubber, mason tender:	BASE RATE	\$21.09
	FRINGE BENEFITS	8.75
Asphalt lute and rakerman, side rail setter:	BASE RATE	\$21.14
	FRINGE BENEFITS	8.75
Gunnite nozzle man, gunnite operator:	BASE RATE	\$21.14
	FRINGE BENEFITS	8.75
Tunnel laborer (free air):	BASE RATE	\$21.14
	FRINGE BENEFITS	8.75
Tunnel mucker (free air):	BASE RATE	\$21.74
	FRINGE BENEFITS	8.75
Tunnel miner, blaster and driller (free air):	BASE RATE	\$21.74
	FRINGE BENEFITS	8.75
Caisson worker:	BASE RATE	\$21.74
	FRINGE BENEFITS	8.75
Powderman:	BASE RATE	\$21.44
	FRINGE BENEFITS	8.75
Drill operator of percussion type drills which are both powered and propelled by an independent air supply:	BASE RATE	\$22.64
	FRINGE BENEFITS	8.75

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

OPERATING ENGINEERS:

Group A:

Auto patrol, batcher plant, bituminous paver, cable-way, clamshell, concrete mixer (21 cu. ft. or over), concrete pump, crane, crusher plant, derrick, derrick boat, ditching and trenching machine, dragline, dredge engineer, elevator (regardless of ownership when used for hoisting any building material), elevating grader and all types of loaders, hoe-type machine, hoisting engine, locomotive, LeTourneau or carry-all scoop, bulldozer, mechanic, orangepeel bucket, piledriver, power blade, roller (bituminous), roller (earth), roller (rock), scarifier, shovel, tractor shovel, truck crane, well points, winch truck, push dozer, grout pump, high lift, fork lift (regardless of lift height), all types of boom cats, multiple operator, core drill, tow or push boat, A-Frame winch truck, concrete paver, gradeall, hoist, hyster, material pump, pumpcrete, ross carrier, sheepfoot, sideboom, throttle-valve man, rotary drill, power generator, mucking machine, rock spreader attached to equipment, scoopmobile, KeCal loader, tower cranes (French, German and other types), hydrocrane, tugger, backfiller guries, self-propelled compactor, self-contained hydraulic percussion drill:

BASE RATE	\$23.80
FRINGE BENEFITS	8.75

Group B:

All air compressors (200 cu. ft. per min. or greater capacity), bituminous mixer, concrete mixer (under 21 cu. ft.), welding machine, form grader, tractor (50 H.P. and over), bull float, finish machine, outboard motor boat, brakeman, mechanic helper, whirly oiler, tractair and road widening trencher, articulating trucks:

BASE RATE	\$21.55
FRINGE BENEFITS	8.75

Group B2:

Greaser on grease facilities servicing heavy equipment:

BASE RATE	\$21.90
FRINGE BENEFITS	8.75

Group C:

Bituminous distributor, cement gun, conveyor, mud jack, paving joint machine, pump, tamping machine, tractors (under 50 H.P.), vibrator, oiler, air compressors (under 200 cu. ft. per min. capacity), concrete saw, burlap and curing machine, hydro seeder, power form handling equipment, deckhand oiler, hydraulic post driver:

BASE RATE	\$21.31
FRINGE BENEFITS	8.75

PAINTERS:

All Excluding Bridges:

BASE RATE	\$19.92
FRINGE BENEFITS	9.57

Bridges:

BASE RATE	\$23.92
FRINGE BENEFITS	10.07

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

PLUMBERS:

BASE RATE	\$22.52
FRINGE BENEFITS	7.80

SHEET METAL:

BASE RATE	\$20.40
FRINGE BENEFITS	7.80

TRUCK DRIVERS:

Truck helper and warehouseman:

BASE RATE	\$21.10
FRINGE BENEFITS	8.75

Driver, winch truck and A-Frame when used in
transporting materials:

BASE RATE	\$21.46
FRINGE BENEFITS	8.75

Driver, (semi-trailer or pole trailer),
driver (dump truck, tandem axle), driver of distributor:

BASE RATE	\$21.45
FRINGE BENEFITS	8.75

Driver on mixer trucks (all types):

BASE RATE	\$21.45
FRINGE BENEFITS	8.75

Truck mechanic:

BASE RATE	\$21.38
FRINGE BENEFITS	8.75

Driver (3 tons and under), tire changer
and truck mechanic helper:

BASE RATE	\$21.15
FRINGE BENEFITS	8.75

Driver on pavement breakers:

BASE RATE	\$21.46
FRINGE BENEFITS	8.75

Driver (over 3 tons), driver (truck mounted rotary drill):

BASE RATE	\$21.45
FRINGE BENEFITS	8.75

Driver, Euclid and other heavy earth moving equipment
and Low Boy:

BASE RATE	\$21.46
FRINGE BENEFITS	8.75

Greaser on greasing facilities:

BASE RATE	\$21.15
FRINGE BENEFITS	8.75

ERRATUM

Refer to the Locality Number and Determination Number listed below published by the Kentucky Labor Cabinet, Division of Employment Standards, Apprenticeship and Mediation dated August 4, 2011.

Locality: Highway Construction Locality No. II, including the following counties: Adair, Barren, Breathitt, Casey, Clay, Clinton, Cumberland, Estill, Floyd, Garrard, Green, Harlan, Hart, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lincoln, McCreary, Magoffin, Martin, Menifee, Metcalfe, Monroe, Morgan, Owsley, Perry, Pike, Powell, Pulaski, Rockcastle, Russell, Taylor, Wayne, Whitley and Wolfe.

Determination Number: CR-II-II-HWY

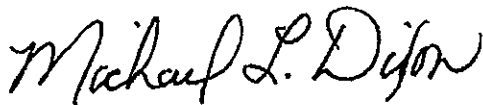
DELETE:

Ironworkers	BASE RATE	\$25.77
	FRINGE BENEFIT	18.54

INSERT:

Ironworker (Structural)	BASE RATE	\$22.50
	FRINGE BENEFIT	8.75

Ironworker (Reinforcing)	BASE RATE	\$22.30
	FRINGE BENEFIT	8.75



Michael L. Dixon, Commissioner
Department of Workplace Standards
Kentucky Labor Cabinet
Frankfort, KY 40601

This 8th day of November, 2011.

ERRATUM

Refer to the Locality Number and Determination Number listed below published by the Kentucky Labor Cabinet, Division of Employment Standards, Apprenticeship and Mediation dated August 4, 2011.

Locality: Highway Construction Locality No. II, including the following counties: Adair, Barren, Breathitt, Casey, Clay, Clinton, Cumberland, Estill, Floyd, Garrard, Green, Harlan, Hart, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lincoln, McCreary, Magoffin, Martin, Menifee, Metcalfe, Monroe, Morgan, Owsley, Perry, Pike, Powell, Pulaski, Rockcastle, Russell, Taylor, Wayne, Whitley and Wolfe.

Determination Number: CR-II-II-HWY

DELETE:

Ironworker (Structural)	BASE RATE	\$22.50
	FRINGE BENEFIT	8.75
Ironworker (Reinforcing)	BASE RATE	\$22.30
	FRINGE BENEFIT	8.75

INSERT:

Ironworkers	BASE RATE	\$25.77
	FRINGE BENEFIT	18.54


Michael L. Dixon, Commissioner
Department of Workplace Standards
Kentucky Labor Cabinet
Frankfort, KY 40601

This 4TH day of May, 2012.

Kentucky Determination No. CR-11-II-HWY dated August 04, 2011

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of the General Laborer except those classified as bona fide apprentices registered with the Kentucky State Apprenticeship Supervisor unless otherwise specified in this schedule of wage rates.

These rates are listed pursuant to the Kentucky Determination No. CR-11-II HWY dated August 04, 2011, erratum dated November 8, 2011, and erratum dated May 4, 2012. Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contract or shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

Kentucky Determination No. CR-11-II-HWY dated August 04, 2011

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate.

Wage violations or questions should be directed to the designated Engineer or to the undersigned.

Ryan Griffith, Director
Division of Construction Procurement
Frankfort, Kentucky 40622

PART IV

INSURANCE

INSURANCE

The Contractor shall procure and maintain the following insurance in addition to the insurance required by law:

- 1) Commercial General Liability-Occurrence form – not less than \$2,000,000 General aggregate, \$2,000,000 Products & Completed Aggregate, \$1,000,000 Personal & Advertising, \$1,000,000 each occurrence.
- 2) Automobile Liability- \$1,000,000 per accident
- 3) Employers Liability:
 - a) \$100,000 Each Accident Bodily Injury
 - b) \$500,000 Policy limit Bodily Injury by Disease
 - c) \$100,000 Each Employee Bodily Injury by Disease
- 4) The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
 - a) "policy contains no deductible clauses."
 - b) "policy contains _____ (amount) deductible property damage clause but company will pay claim and collect the deductible from the insured."
- 5) KENTUCKY WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

The cost of insurance is incidental to all contract items. All subcontractors must meet the same minimum insurance requirements.

PART V

BID ITEMS

CONTRACT ID: 121027
COUNTY: PERRY
PROPOSAL: FD04 SPP 097 0080 008-016

PAGE: 1
LETTING: 08/17/12
CALL NO: 300

LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
SECTION 0001 ROADWAY					
0010	00001	DGA BASE	16,640.350 TON		
0020	00078	CRUSHED AGGREGATE SIZE NO 2	30.000 TON		
0030	00100	ASPHALT SEAL AGGREGATE	509.340 TON		
0040	00194	LEVELING & WEDGING PG76-22	1,500.000 TON		
0050	00203	CL2 ASPH BASE 1.50D PG64-22	7,353.560 TON		
0060	00212	CL2 ASPH BASE 1.00D PG64-22	5,504.180 TON		
0070	00214	CL3 ASPH BASE 1.00D PG64-22	19,584.470 TON		
0080	00216	CL3 ASPH BASE 1.00D PG76-22	13,247.200 TON		
0090	00291	EMULSIFIED ASPHALT RS-2	61.200 TON		
0100	00301	CL2 ASPH SURF 0.38D PG64-22	2,664.630 TON		
0110	00387	CL3 ASPH SURF 0.38B PG76-22	6,544.720 TON		
0120	00441	ENTRANCE PIPE-18 IN	187.000 LF		
0130	00443	ENTRANCE PIPE-24 IN	110.000 LF		
0140	00982	SLOTTED DRAIN PIPE-18 IN	254.000 LF		
0150	01001	PERFORATED PIPE-6 IN	39,604.000 LF		
0160	01011	NON-PERFORATED PIPE-6 IN	770.000 LF		
0170	01021	PERF PIPE HEADWALL TY 1-6 IN	13.000 EACH		
0180	01029	PERF PIPE HEADWALL TY 3-6 IN	17.000 EACH		
0190	01450	S & F BOX INLET-OUTLET-18 IN	1.000 EACH		
0200	01451	S & F BOX INLET-OUTLET-24 IN	2.000 EACH		

PERRY COUNTY
FD04 SPP 097 0080 008-016

KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
FRANKFORT, KY 40622

CONTRACT ID: 121027
COUNTY: PERRY
PROPOSAL: FD04 SPP 097 0080 008-016

PAGE: 2
LETTING: 08/17/12
CALL NO: 300

LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0210	01490	DROP BOX INLET TYPE 1	2.000 EACH		
0220	01511	DROP BOX INLET TYPE 5D	1.000 EACH		
0230	01581	DROP BOX INLET TYPE 16G	1.000 EACH		
0240	01690	FLUME INLET TYPE 1	4.000 EACH		
0250	01691	FLUME INLET TYPE 2	10.000 EACH		
0260	01821	LIP CURB AND GUTTER MOD	9,872.000 LF		
0270	01845	ISLAND INTEGRAL CURB	1,312.500 LF		
0280	01891	ISLAND HEADER CURB TYPE 2	4,469.000 LF		
0290	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	130.000 EACH		
0300	01985	DELINEATOR FOR BARRIER - YELLOW	22.000 EACH		
0310	02003	RELOCATE TEMP CONC BARRIER	330.000 LF		
0320	02014	BARRICADE-TYPE III	8.000 EACH		
0330	02107	BREAKING AND SEATING PAVEMENT	102,210.060 SQYD		
0340	02157	PAVED DITCH TYPE 1	557.140 SQYD		
0350	02200	ROADWAY EXCAVATION	2,335.000 CUYD		
0360	02237	DITCHING	41,660.000 LF		
0370	02360	GUARDRAIL TERMINAL SECTION NO 1	10.000 EACH		
0380	02367	GUARDRAIL END TREATMENT TYPE 1	7.000 EACH		
0390	02369	GUARDRAIL END TREATMENT TYPE 2A	3.000 EACH		
0400	02381	REMOVE GUARDRAIL	11,100.000 LF		
0410	02483	CHANNEL LINING CLASS II	1,196.250 TON		

PERRY COUNTY
FD04 SPP 097 0080 008-016

KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
FRANKFORT, KY 40622

CONTRACT ID: 121027
COUNTY: PERRY
PROPOSAL: FD04 SPP 097 0080 008-016

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0420	02484	CHANNEL LINING CLASS III	2,207.000 TON		
0430	02585	EDGE KEY	172.000 LF		
0440	02650	MAINTAIN & CONTROL TRAFFIC	(1.00) LS		
0450	02653	LANE CLOSURE	4.000 EACH		
0460	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EACH		
0470	02676	MOBILIZATION FOR MILL & TEXT	(1.00) LS		
0480	02677	ASPHALT PAVE MILLING & TEXTURING	5,972.800 TON		
0490	02696	SHOULDER RUMBLE STRIPS-SAWED	28,000.000 LF		
0500	02704	SILT TRAP TYPE B	30.000 EACH		
0510	02705	SILT TRAP TYPE C	10.000 EACH		
0520	02707	CLEAN SILT TRAP TYPE B	90.000 EACH		
0530	02708	CLEAN SILT TRAP TYPE C	30.000 EACH		
0540	02714	SHOULDERING	28,412.500 LF		
0550	02726	STAKING	(1.00) LS		
0560	02775	ARROW PANEL	4.000 EACH		
0570	02894	CRASH CUSHION TYPE VI-T	2.000 EACH		
0580	02898	RELOCATE CRASH CUSHION	2.000 EACH		
0590	04830	LOOP WIRE	520.000 LF		
0600	04895	LOOP SAW SLOT AND FILL	520.000 LF		
0610	05950	EROSION CONTROL BLANKET	802.000 SQYD		
0620	05952	TEMP MULCH	22,500.000 SQYD		

PERRY COUNTY
FD04 SPP 097 0080 008-016

KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
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CONTRACT ID: 121027
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LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0630	05966	TOPDRESSING FERTILIZER	1.160 TON		
0640	05985	SEEDING AND PROTECTION	22,500.000 SQYD		
0650	06510	PAVE STRIPING-TEMP PAINT-4 IN	79,200.000 LF		
0660	06514	PAVE STRIPING-PERM PAINT-4 IN	70,920.000 LF		
0670	06568	PAVE MARKING-THERMO STOP BAR-24IN	85.000 LF		
0680	06574	PAVE MARKING-THERMO CURV ARROW	31.000 EACH		
0690	06588	PAVEMENT MARKER TY IVA-BY TEMP	1,320.000 EACH		
0700	06589	PAVEMENT MARKER TYPE V-MW	368.000 EACH		
0710	06591	PAVEMENT MARKER TYPE V-BY	530.000 EACH		
0720	08100	CONCRETE-CLASS A	1.350 CUYD		
0730	08150	STEEL REINFORCEMENT	9.000 LB		
0740	08500	APPROACH SLAB	60.000 SQYD		
0750	10020NS	FUEL ADJUSTMENT	82,339.000 DOLL	1.00	82,339.00
0760	10030NS	ASPHALT ADJUSTMENT	135,824.000 DOLL	1.00	135,824.00
0770	20458ES403	CENTERLINE RUMBLE STRIPS	28,000.000 LF		
0780	20471ES509	TEMP CONC MED BARRIER	330.000 LF		
0790	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	9,825.000 LF		
0800	23074NN	ADJUST DRAINAGE STRUCTURE	14.000 EACH		
0810	23309EC	PAVEMENT REPLACEMENT	1,500.000 SQFT		
0820	23623EC	REMOVE MOUNTABLE MEDIAN	3,132.000 SQYD		
SECTION 0002 SIGNALIZATION					

PERRY COUNTY
FD04 SPP 097 0080 008-016

KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
FRANKFORT, KY 40622

CONTRACT ID: 121027
COUNTY: PERRY
PROPOSAL: FD04 SPP 097 0080 008-016

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LETTING: 08/17/12
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LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0830	04792	CONDUIT-1 IN	35.000 LF		
0840	04793	CONDUIT-1 1/4 IN	925.000 LF		
0850	04795	CONDUIT-2 IN	56.000 LF		
0860	04811	ELECTRICAL JUNCTION BOX TYPE B	8.000 EACH		
0870	04820	TRENCHING AND BACKFILLING	1,016.000 LF		
0880	04830	LOOP WIRE	745.000 LF		
0890	04844	CABLE-NO. 14/5C	2,415.000 LF		
0900	04845	CABLE-NO. 14/7C	348.000 LF		
0910	04850	CABLE-NO. 14/1 PAIR	1,218.000 LF		
0920	04885	MESSENGER-10800 LB	890.000 LF		
0930	04895	LOOP SAW SLOT AND FILL	525.000 LF		
0940	04931	INSTALL CONTROLLER TYPE 170	1.000 EACH		
0950	04932	INSTALL STEEL STRAIN POLE	6.000 EACH		
0960	20188NS835	INSTALL LED SIGNAL-3 SECTION	6.000 EACH		
0970	20408ES835	INSTALL LED BEACON-12 IN	4.000 EACH		
0980	23157EN	TRAFFIC SIGNAL POLE BASE	31.500 CUYD		
0990	23982EC	INSTALL ANTENNA	1.000 EACH		
1000	24525EC	ADVANCE WARNING FLASHER	1.000 EACH		
SECTION 0003 MOB AND DEMOB					
1010	02568	MOBILIZATION (NO MORE THAN 5%)	LUMP		
1020	02569	DEMOBILIZATION (AT LEAST 1.5%)	LUMP		
		TOTAL BID			